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# BUTZER'S SEEDS

62.71 1942 The Kind that Grow Ind.  
"You can't keep them in the ground"



No. 2970—*Antirrhinum Rust Proof California Giant Mixture*. Pkg. 20c.

**BUTZER'S SEED STORE**  
Cor. S.W. Second and Taylor, Portland, Oregon



# SUGGESTIONS FOR ORDERING

## ORDER NOW AND SAVE 10% ON EARLY ORDERS

Order in January or February if possible before the spring rush begins. March and April are our busy months and our full force works day and night at high speed. Now to help both you and us we will allow a ten per cent discount on all orders of \$1.50 or more in one order (except collections, field seeds and fertilizers, which are net), that are received up to March first. Every order filled during January and February helps us just that much and we are passing this on to you.

**ORDER EARLY**—We endeavor to ship all orders within 24 hours after we receive them, but during the rush season from February to April delays are sometimes unavoidable. If patrons can anticipate their wants and order early it will be to our mutual benefit.

**REMITTANCES**—Should be made by post office money order, express money order, or bank draft, for a sufficient amount to cover the entire order and postage, if any. Do not send currency. Should it be lost there is no recourse. Stamps of three cent denomination will be accepted for small amounts.

**PARCEL POST**—Unless otherwise stated, we pay postage on all seeds and bulbs quoted in this catalogue in the first and second zones. On orders in larger quantity at "not prepaid" prices stated in the catalogue you pay the postage, express or freight. In such cases it will be necessary for you to send postage extra if you want it by parcel post, but if it is to be sent by freight or express you can pay the transportation charges at your freight or express office when you receive the goods. If you do not know the zone you are

in from Portland your postmaster or R.F.D. carrier can tell you. Parcel Post rates apply on weights up to 70 pounds in all zones. Parcel Post rates are usually cheaper than express, with the added advantage of having the parcel delivered to your door.

**RETURNING MONEY**—If we cannot fill your order for any item we will at once return the money sent for same. We will not keep your money without adequate returns to you, send you due bill or substitute something you do not want.

**CORRESPONDENCE**—We try to give prompt attention to all proper letters of inquiry, etc., but ask, as a favor, that all questions be stated clearly and briefly, and not on order sheets.

**THIS IS OUR SILENT SALESMAN**—He calls on you once or perhaps twice. We know you are always pleased to see him—he is sent out to make sales. If you want him to call again, favor him with an order. We know he has something you will want and he also gives you a lot of information.

## OUR TERMS ARE STRICTLY CASH WITH THE ORDER

We do not send C. O. D., as the cost of collecting return charges is quite an unnecessary item of expense and the prices being given, we can conceive of no necessity to warrant goods being so sent.

## NAME AND ADDRESS SHOULD ALWAYS BE GIVEN

Frequently we receive unsigned letters. Sometimes they contain money and orders. Sometimes, too, letters are received in which the name of the town is left out and the postmark is blurred. We cannot fill orders unless we know the name and address of the buyer. The easiest way for you is to use our order sheet, filling in the blanks.

## GUARANTEE

Seeds of the best quality are apt to fail through improper treatment by sowing the seed too deep or too shallow, in too wet or too dry soil. They differ greatly as to the temperature required for germination. Some will germinate rapidly at a certain temperature, while others, if sown under the same conditions, are apt to decay, and for all these reasons it is impractical to guarantee seeds. We give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

**BUTZER'S SEED STORE.**



900 SOUTHWEST SECOND AVENUE, CORNER TAYLOR, PORTLAND, OREGON





## How to make a BEAUTIFUL LAWN

# LAWN GRASS

## SUGGESTIONS FOR MAKING AND TAKING CARE OF LAWNS

### Planting Time

Lawns are started more easily and with less expense for labor in the early Fall while the soil is still warm and the approach of Fall rains saves watering, or in the late spring before the end of the rainy season, but a lawn may be started at any time during the year when there is sufficient warmth to germinate the seed by using a mulch of Peat Moss, to provide a partial shade from the direct rays of the sun.

### Preparing the Soil

In general, grass seeds are small and the surface seedbed need only be one inch in depth, but since the grasses as they become established send out long lateral feeding roots, it is vitally necessary that the soil be thoroughly prepared to a depth of at least 8 inches. It is a good plan to let the ground lay several weeks after it has been shaped up and prepared in order that most of the weed seeds in the soil will germinate and be destroyed by surface cultivation.

Thorough drainage is necessary and with this accomplished a beautiful lawn can be developed on almost any soil with the use of good seed and fertilizer.

### Seeding

Sow at the rate of one pound per 200 hundred square feet. It is better to use an excessive amount of seed and allow nature to eliminate the weak specimens rather than to depend on the plans to spread sufficiently to take possession of the entire area. Thickly seeded lawns give little opportunity for the development of weeds. Scattering the seed evenly, it is best to divide the seed to be used into two equal parts and seed one section of it lengthwise the tract and the second crosswise. This insures good, even seeding. Immediately after sowing the seed, roll or tamp it again to firm the soil around the seed in order that the seed may get sufficient moisture to germinate and grow. Do not rake after sowing, ground should be dust dry, if possible, before sowing, then thoroughly rolled or tamped then watered and possibly rolled again the following day.

### What to Sow

## BUTZER'S FANCY LAWN GRASS SEED

A mixture of several varieties of grasses ordinarily makes the best lawn. All grasses have an off or rest period, at some time during the year at which time very little new growth appears. These rest periods vary with different grasses as to season and by seeding a mixture the lawn always looks thrifty and fresh.

The use of Butzer's Fancy Lawn Mixture is strongly recommended. Only the fine leaved and long lived grasses are used in this mixture, which will produce a beautiful, velvety carpet like lawn that will last for years. Just enough white clover is used to make a quick showing and act as a nurse crop for the grasses while they are becoming established, or this mixture may be had without the white clover. 1 lb. 65c; 5 lbs. \$3.00, postpaid

## BUTZER'S SHADY LAWN GRASS SEED

For sowing on the north side of buildings, between houses, and for securing a lawn under large shade trees

In many lawns there are places which seem as if nothing can be grown; some are shaded by large trees and others by buildings. For these locations we have offered for some time our Butzer's Shady Lawn Grass Seed, which readily meets the desired requirement.

Price, per lb. 75c, postpaid

## SEASIDE CREEPING BENT GRASS

(*Agrostis Stolonifera*.) Distinctive on account of its compact, creeping, rooting stems. Of rapid growth and spreading habit, forming a strong, durable turf. Good for lawns and putting greens because of its fine texture. If sown alone, use 50 lbs. to the acre. 1 lb. \$1.10, postpaid.

## ASTORIA CREEPING BENT GRASS

The conditions under which this strain of bent grass seed is grown and produced renders it more favorable to our particular climate than many other varieties. 1 lb. \$1.10 postpaid.

## CHEWING FESCUE

A low-growing grass, fine leaved, forms a close turf that prevents ingress of weeds, permanent in all kinds of soils, even the lightest and driest; unexcelled for lawns and golf courses. 1 lb. \$1.10, postpaid.

## BUTZER'S KENTUCKY BLUE GRASS

Every bag of our Kentucky Blue Grass Seed is tested for purity and germination. There is positively no guess work about it. You know when you buy Butzer's Kentucky Blue Grass Seed that it is high grade in every respect. 1 lb. 60c, postpaid.

*Fertilize Your Lawn With Chic-Nure or Vigoro.*



# NOVELTIES AND SPECIALTIES FOR 1942

## AND PRECEDING YEARS

### MARIGOLDS

**2075—African Little Giants Mixed**—A symmetrical, compact plant only 15 inches in height literally covered with from 20 to 35 beautiful 4-inch flowers ranging in color from yellow to bright orange. The blooms vary in form from the informal carnation to the perfect ball shape, and the foliage is a beautiful dark green. Pkt. 25c.

**2037—Dwarf Gigantea Pot o' Gold**—One of the best outstanding marigolds this year for its compact bush form. Grows 15 inches high, well branched, bearing 12 or more blooms at one time; color deep golden orange. Individual blooms are 4 to 4½ inches in diameter; come in bloom six weeks earlier than other varieties. Pkt. 25c.

### DELPHINIUM

**1484—Delphinium, Pacific Giant**—Every Delphinium lover, who is hunting something new, will be delighted with this new variety with its unusual colorings and heavy glistening texture. It is 60 to 80 per cent mildew resistant and especially successful for show purposes. Mixed, pkt. 35c.

### 575—ALYSSUM

**Violet Queen**—A new edging plant with a color peculiarly its own, being of a very pretty bright violet tint much deeper in color than the Alyssum Lilac Carpet offered previously, and does not fade in hot weather. It has the usual honey-like odor of the white variety. 4 inch. Pkt. 15c.

### 3465—SWEET WILLIAMS

**Midget Single Mixed**—3-4 in. The habit of this Sweet William Dwarf Alpine Mixed is very uniform, each plant being about the same size, both in height and circumference. Our blend contains a wonderful color balance. The blooms, which almost entirely cover the foliage, are large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored. Pkt. 15c.

### TITHONIA

**3481—Speciosa Grandiflora Fireball**—Dazzling as a ball of fire poised high above other flowers. Fire ball is undoubtedly the last word in brilliance of color in a fall blooming plant. This flower is a very brilliant vibrant shade of scarlet orange, the petals in dazzling contrast to the clear yellow center. The gaily colored flowers are single, very large, 4½ to 5 inches in diameter and are carried on fine long stems. The plants are very tall, some reaching a height of 8 feet, with a grayish green woolly foliage. Start seeds inside and set out after all danger of frost is over. Pkt. 15c.

### ZINNIA STRIATA

**3651—The Clown** is an amusing new Zinnia cheerily striped scarlet and gold—a new-found jewel for the cutting garden, for the annual border and most especially for flower arrangements. The 2½-inch to 3-inch medium sized blooms are of the very free flowering character and very colorful. Like other Zinnias, the more flowers cut the more will be produced. Pkt. 25c.

**3653—Old Glory** will certainly be a welcome addition to the patriotic section of the garden. Gaily striped red and white, this colorful newcomer is most effective in flower arrangements as well as being an interesting subject in the garden. The flowers are medium sized, 2½ inches to 3 inches in diameter, carried on plants attaining a height of approximately two and a half feet. Very early and extremely free blooming until frost if kept picked. Pkt. 25c.

### ZINNIA

**3653—Howard's New Giant Crested**—This new zinnia is an outstanding one for cut flower purposes, keeping fresh a long time after being cut. The blossoms average from 4 to 5 inches in diameter, with a full rounded cushiony center surrounded by broad guard petals after the style of a pyrethrum flower. The colors included in this strain are charming shades of orange, orange-scarlet, yellow, rose and crimson. This new type zinnia will produce 65 per cent or more true to form. Pkt. 25c.

### MARIGOLD

**2091—Spry**—Extra dwarf double French type. This is one marigold that every garden lover should have this year, because of its outstanding color. The most profusely blooming of all marigolds. An early bloomer, growing nine inches high of compact form. Mahogany red with yellow crested center. Pkt. 25c.

### SCABIOSA

**2820—Peace**—Semi-tall, double white. This is in our estimation one of the best white cut flowers to be introduced on the market for its lasting quality. Grows twelve to fourteen inches high, with eight-inch stems for cut flowers. Flowers measuring one and three quarter inches in diameter, shaped like a bee hive.

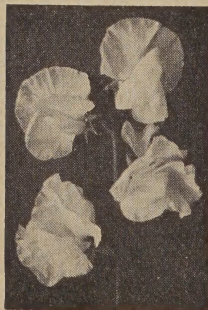
Pkt. 25c

### DOUBLE RED MOONFLOWER

Blossoms in Daylight

**2180—Double Rose Marie**—We are not surprised by morning glories which belong to the moonflower family (Ipomoeas) but a double morning glory is something to talk about. It grows well and produces freely its lovely double flowers which decorate both the garden and the house, as well as furnishing an interesting topic of conversation. Pkt. 25c.

## BUTZER'S ROSE CITY SWEET PEA COLLECTION



Specially suited for the owners of small gardens who have limited space, but desire to obtain the beautiful color effect of planting in masses, each a distinct shade.

**30c Postpaid**  
This Collection  
Contains One  
Package Each of the  
Following—

**RED ROVER**  
Dark Crimson

**MASTERCREAM**  
Deep Cream

**PINKIE**  
Rose Pink

**TANGERINE**  
Rich Orange

**HIGHLANDER**  
Lavender

**SIMPLICITY**  
Salmon Pink



## BUTZER'S FLOWER SEEDS

### STANDARD VARIETIES, NOVELTIES and SPECIALTIES

Plant flowers for your table, flowers for your home, and flowers for your friends. You can never have too many flowers. An abundance of pretty bouquets can be had with so little work and so little expense that every home should have the cheering influence of flowers. The culture of many is so very simple that anyone can succeed. Flowers are divided into three classes: Annuals, which produce flowers, mature and die in one season. Biennials, which grow from seed one year and bloom and die the second year. Many of these will produce flowers the first year if sown early enough. Perennials, which live several years, producing flowers annually after first season. These are grown from seed, also by setting out cuttings, slips, or divisions of roots. Perennials are very satisfactory, as they live many years and produce large quantities of very beautiful flowers.

**"Beautify Your Home With Flowers"**  
Let Butzer's Silent Salesman Help You Beautify  
Your Surroundings With Flowers  
**WHAT IS A HOME WITHOUT FLOWERS?**

#### \*ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.

507—The Pearl—2 ft. June to August. Pure white, fine for cutting; blooms all summer. Per pkt. 10c.

#### ACROCLINIUM (Everlasting)

510—New Large Flowered Double Hybrids  
The double flowers are extremely large, at least twice the size of the ordinary strain, on 12 to 18 inch stems, which are borne freely over a long flowering period. The range of color is most remarkable, being especially rich in shades of salmon, apricot, pink, rose and cerise, with white and creamy tones to balance up the pastel mixture. Pkt. 15c.

#### \*ADLUMIA (Allegheny Vine)

520—Cirrhusa—15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Per pkt. 10c.

#### AGATHEA

527—Coelestis (Blue Daisy)—Flowers sky blue with yellow disk; easy growth. Per pkt. 10c.

#### AGERATUM

One of the best of summer flowering plants grown from seed. The plants start readily, grow rapidly and soon come into bloom, and when they begin to bloom they flower uninterruptedly throughout the season.

534—Album. White. Pkt. 10c.

537—Blue Perfection—This is the darkest colored of all large flowering Ageratums. 9 inches. Pkt. 10c.

#### 538—AGERATUM, BLUE CAP (New)

Surpasses Little Dorrit in dwarfness, compactness, and in the size of the individual flowers; it also has a deeper and richer color. The ideal variety for low edging of flower borders. Pkt. 10c.

540—Blue Ball—6 in. A charming variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt. 10c.

549—Finest Mixed—All colors. Pkt. 10c.

#### \*AGROSTEMMA (Coronaria)

554—Rose Champion—One of the most attractive of the hardy perennials. Blooms the first season from seed, producing pretty pink-like blossoms on long slender stems. Fine for both mass planting and for bouquets. Height about 18 inches. Perennial. Pkt. 10c.

#### ALONSOA

560—Warszewiczii—15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant Alonsoa for red, Sweet Alyssum for white and Ageratum Blue Perfection for blue. Per pkt. 10c.

**HAVE YOU ORDERED YOUR  
SWEET PEA COLLECTION?**



#### ALYSSUM

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging. No other white flower is so well adapted for a dense, low carpet, or as borders

and ribbons in garden work. Extremely fragrant and frequently used for bouquets.

565—Little Gem—Very dwarf—4 inches—and spreading. They quickly become one mass of white fragrant flowers, remaining in full bloom from spring to fall.

Per pkt. 10c

568—Lilac Queen—Beautiful soft lilac flowers, changing to white. Per pkt. 10c.

571—Lutescens—Yellowish flowers, 6 inches. Pkt. 10c

574—Sweet (Maritimum)—This very hardy annual for borders, edging or massing in small beds, comes into bloom early in the spring, covering itself with clusters or trusses of small, pure white cruciform flowers. Per pkt. 10c.

#### \*SAXATILE COMPACTUM

578—(Basket of Gold)—1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Per pkt. 10c.

#### AMARANTHUS

587—Caudatus—(Love Lies Bleeding)—Blood-red, drooping. Per pkt. 10c.

590—All varieties mixed. Per pkt. 10c.

#### ANAGALLIS

595—Grandiflora Coerulea—Dark blue, center deep purple. 10 inches. Pkt. 10c.

598—Grandiflora Red—Five-inch, lovely dwarf plant of a terra-cotta red for edgings and rockery. Pkt. 10c.

602—Grandiflora Mixed—6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rock-work and in pots. Pkt. 10c.

#### \*ANCHUSA

Stately and handsome perennials belonging to Forget-me-not family. The leaves are rough and hairy and the drooping flowers are borne in racemes on branching stems.

610—\*Italica. Dropmore Variety—5 ft. June-July. Beautiful gentian blue flowers, one of the best perennials. Per pkt. 10c.

#### \*ANEMONE (Wind Flower)

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

619—His Excellency—Single fiery scarlet. Pkt. 10c.

622—St. Brigid's Strain—May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Per pkt. 10c.

626—Pulsatilla—1 ft. April-May. Well adapted for rock-work or border flowers, varying from lilac to purple. Per pkt. 10c.

629—Pulsatilla Rubra—6 to 9 in. April-May. Dark red with erect flowers. Per pkt. 10c.

**USE NUMBER WHEN ORDERING  
FLOWER SEEDS  
TO AVOID DELAY**

*Our Flower Seeds are of the Best Strains and are Selected With Great Care.*



**\*ARABIS (Rock Cress)**

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings. They do well in any soil, but need plenty of sun.

634—Alpina—6 in. A most useful hardy perennial for spring bedding and rockeries. Early in the spring the pure white flowers make a pleasing contrast in beds and borders with *Alyssum saxatile*. Pkt. 10c.

637—Rosea—8 in. May. Compact rosettes of foliage and pink flowers. Per pkt. 15c.

**ARCTOTIS**

643—Grandia, the Blue-eyed African Daisy—A quick-growing half-hardy annual, forming a bush two to three feet across, with soft whitish foliage. The flower stems are long, while the flowers are large and showy—from two to three inches across—color pure white with a blue eye, surrounded by a narrow yellow zone, the under part of the petals being lilac blue; height 18 inches. Pkt. 10c.

**646—ARCTOTIS HYBRIDS (New)**

Another of the lovely flowers which have come to us lately from Africa. The hybrids come in a brilliant assortment of showy daisy-like flowers predominating in orange and bronzy red shades, but also comprising many lovely shades of rose, cream, yellow and salmon. Pkt. 15c.

**\*ARMERIA (Thrift Sea Pink)**

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

660—Formosa—9 in. Pretty rose pink. Grand for borders. Per pkt. 10c.

662—Lauchiana—Is a very free flowering, dwarf variety, with medium sized flower heads of deep rose. They combine very nicely with Forget-me-nots in the dwarf border. Per pkt. 10c.

**ASTERS****QUEEN OF THE ANNUALS**

Culture—Sow either in the open ground in May or in March or April in cold frame, spent hot-beds or pots or boxes in the house, covering the seed with about ¼-inch of good rich soil; when the plants are strong enough, transplant about 18 inches apart in deeply-dug, well-prepared beds.

667—El Monte—Like Los Angeles in size but of a deep glowing crimson. Pkt. 10c.

669—Golden Sheaf—The deepest yellow aster yet offered. The flowers are fully double, with an attractive crest-like center. Pkt. 10c.

673—Los Angeles—Pure shell pink, with huge flowers, charming form, with curling interlaced petals. Pkt. 10c.

676—Salmon Queen—It is a clear, pure salmon pink blending to a rich golden salmon at the center. Per pkt. 10c.

**GIANT CREGO ASTERS**

The Crego is one of the largest of all Asters, the petals being exceedingly long and wavy and the flower-borne on stems some fifteen inches in length. It is a monster among Asters. A real treat awaits anyone who plants this variety.

665—Blue Flame. Bright navy blue.

682—Crego Blue.

683—Crego Crimson.

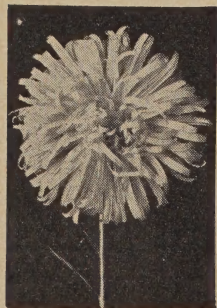
684—Crego Deep Rose.

685—Crego Lavender.

687—Crego Purple.

688—Crego Rose Pink.

689—Crego Shell Pink.



690—Crego White.

695—Crego Mixed.

Each of the above, pkt. 10c

**ASTERS****VICK'S EARLY BRANCHING**

From midseason until frost these Asters will produce a profusion of beautiful flowers. The blooms are very large, 3½ to 4 in. across and fully double, with the petals somewhat incurved and massed so closely as to form a very attractive, globular flower. The plants grow 2 to 3 ft. tall and branch freely, producing stems frequently 2 ft. long, which makes this class especially fine for cutting.

700—Azure Blue.

701—Coppery Rose.

702—Crimson.

703—Peach Blossom.

704—Pearly Pink.

705—Peerless Pink.

706—Purple.

707—Deep Rose.

708—Scarlet.

709—Shell Pink.

710—White.

715—Mixed Colors.

Pkt. 10c

**CALIFORNIA GIANT DOUBLE**

We take pleasure in recommending this type as the best Aster on the market today. Characterized by the well known Crego or Ostrich Feather type of flower, combined with the Beauty Asters' long, non-lateral branching stems and sturdy habit of growth, the California Giant Double type of Aster stands at the head of the list.

725—Apple Blossom.

726—Dark Purple.

727—Deep Rose.

728—Light Blue.

729—Light Purple.

730—Peach Blossom.

731—White.

735—Mixed.

Pkt. 10c

**ASTER, GIANT****OSTRICH FEATHER**

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make excellent cut-flowers.

780—Crimson.

781—Dark Blue.

782—Light Blue.

783—Rose.

784—Rose Pink.

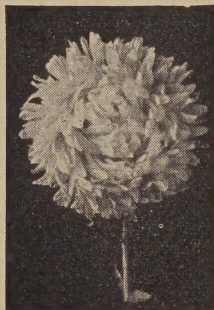
785—Shell Pink.

786—Sky Blue.

787—White.

790—Mixed, all colors.

Each of the above, pkt. 10c

**IMPROVED NEW ASTER**

Giant California Sunshine—They are the result of a direct cross between the now well-known California Giants and the dwarf, much-branched Sunshine type. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems. The individual blooms are enormous, 4 to 5 and 6 inches in diameter.

797—Apple Blossom—Delicate flesh.

798—Enchantress Pink—Salmon pink.

799—Lavender—Very light.

800—Light Blue.

801—Purple.

802—Rose.

803—White.

808—Finest Mixed.

Each of the above, pkt. 15c

**ASTER LILLIPUT FLOWERED**

Comparing in size with the Lilliput Zinnias, these baby flowered asters fill a very definite place in the border or cutflower garden. The flowers are tiny and buttonlike in form, coming in profuse clusters on medium length stems.

815—Dark Blue.

816—Fiery Scarlet.

817—Rose.

818—White.

825—Finest Mixed.

Pkt. 10c

**830—HEART OF FRANCE ASTER**

Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. Pkt. 10c.

**850—BUTZER'S ROSE CITY MIXTURE OF ASTERS**

This special mixture includes all of the newest and is truly an unrivaled mixture. This mixture will afford a splendid supply of flowers during the entire season. The best mixture on the market. Pkt. 10c.

Many Dwarf Annuals Can Be Used With Success in the Rock Garden.



**875—\*PERENNIAL ASTERS**

(Michaelmas Daisy)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

All Sorts Mixed—Extra fine. Per pkt. 10c.

**\*AUBRIETIA**

**885—Large-Flowered Hybride**—The beautiful mauve spring bedding plants make the garden so gay in the early months of the year. Aubrietias produce great masses of bloom and are charming companions of Yellow Alyssum and White Arabis. Grows well from seed. Sow in June and plant out in autumn where required for flowering in spring. A valuable strain including a wide range of colors. Per pkt. 15c.

**895—BALLOON VINE**

Thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous capsules containing the seed. It is sometimes called Love in a Puff. Flowers white. Pkt. 10c.

**BALSAM**

**Balsam or Lady Slipper—Double Camelia Flowered**—An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil. Our strain is unrivaled for great variety and size of flowers.

900—Double Bright Scarlet.

901—Double Rose.

902—Double Salmon Rose.

903—Double White.

905—Finest Double Mixed.

Above, pkt. 10c

**TUBEROUS BEGONIAS**

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. Start the tubers indoors in January or February, in moist sand, with bottom heat of at least 70 degrees. After they are well sprouted and develop good roots, pot them in 4-inch pots, in good soil. Plant out in somewhat shady location after frost danger ends.

**925—Lloydii**—This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt. 50c.

**930—Single Mixed**—Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt. 25c.

**935—Double Mixed**—Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt. 50c.

**955—BROWALLIA**

A half-hardy annual, making a fine bedding plant. Blooms profusely. The flowers are bright ultra-marine blue, and also sky-blue with white center.

Mixed, per pkt. 10c

**CACALIA—2 ft.**

Each flower is a miniature paint brush of orange-scarlet produced on long wiry stems which make it an excellent cut flower. An old but little known annual for the border worth trying.

**960—Tassel Flower or Flora's Paint Brush**—Scarlet and orange mixed. Pkt. 10c.

**CACTUS SEED**

**962—All Varieties in Mixture**—This mixture contains a wonderful range of good varieties, including all classes and forms which are easy to grow. It is most interesting and educational to watch these unusual plants develop. Pkt. 15c.

**BUTZER'S SURPRISE GARDEN MIXTURE**

**975**—If you want a thrill and a real adventure in gardening this year be sure and sow this mixture liberally. You will be repaid by the many unusual varieties which will appear during the season. We buy for this mixture annual varieties which are attractive and easily grown but many of them little known and the result is a continual succession of happy surprises to the gardener. In fact, we frequently are called to identify some particularly attractive sort so it may be ordered separately another year.

Plant freely but not too thickly (if too crowded together the plants will be weak and drawn and will soon fade away), in rows in the vegetable or picking garden, keep watered and cultivated and the faded flowers removed. Pkt. 10c; oz. 25c.

**976—BUTZER'S ANNUALS CUT FLOWER MIXTURE**—Growing 1 to 3½ feet tall. Per pkt. 10c.

**977—BUTZER'S ANNUALS FOR ROCK GARDENS**

A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. Pkt. 10c.

**BUTZER'S PERENNIAL SEED MIXTURES**

Our Surprise Garden of Annuals has been a great favorite for several years with our customers. Many have asked for a similar mixture of perennial seeds, so we have made the following mixtures, carefully blended.

**978—\*Tall Sorts Mixed**—3 ft. and upwards.

**979—\*Dwarf Sorts Mixed**—From 6 to 15 in.

**980—\*Medium Sorts Mixed**—18 to 36 in.

One pkt., each of above, 10c

**993—CALENDULA—ORANGE SHAGGY**

One of the most interesting, and certainly the most distinct of these is the new lacinated type, Orange Shaggy. Deep orange shading lighter at the center, exceedingly graceful and informal in appearance. The plants are free flowering, neat and compact, bearing long stems. Pkt. 10c.

**CALENDULA (Pot Marigold)**

This is the Marigold of Shakespeare's time. An annual of easy culture. Plants grow about one foot high and one foot in diameter and literally covered with large double flowers. Blooms from July to frost.

**1000—Orange King**—The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. Pkt. 10c.

**1001—Lemon Queen**—Large sulphur yellow. Pkt. 10c

**1002—The Ball**—It has fine stems, immense double flower of a brilliant glistening orange. A great favorite on the cut flower market. Pkt. 10c.

**CALENDULA**

**1012—Campfire (Sensation)**—Has proven to be the best forcing orange Calendula on the market. The flowers are extremely large and very dark orange with a scarlet sheen, making them most attractive. This strain has been carefully selected and will produce very strong stems for forcing purposes. Pkt. 10c

**1008—All Colors Mixed**—Pkt. 10c.

**1014—CALENDULA CHRYSANTHA OR SUNSHINE**

Chrysantha is a new Calendula which is outstanding among all varieties known up to the present time. The large flowers are an exquisite shade of clear buttercup yellow, with long loosely arranged petals, which droop to give the rounded appearance found in our favorite Chrysanthemums. Besides adding a bright golden splash of color to the garden.

Pkt. 10c

**USE NUMBER WHEN ORDERING  
FLOWER SEEDS  
TO AVOID DELAY**

**ALL FLOWER SEEDS**—Postpaid unless otherwise noted.



## 1017—CALENDULA BODGER'S PASTEL BEDDING MIXTURE

Designed especially for the home garden, this mixture contains a balanced combination of the lighter shades of Calendulas in the dwarfier growing types. Many new shades of apricot, salmon, cream, and white are included as well as the better known orange and lemon shades. Pkt. 10c.

### CALLIOPSIS (Tickseed)

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

1030—Tall Double Mixed—Per pkt. 10c.

1033—Tall Single Mixed—Per pkt. 10c.

1036—Special Mixed—Per pkt. 10c.

### \*CAMPANULA (Canterbury Bells)

Bellflower—Well known, beautiful, hardy herbaceous perennials, bearing a great production of attractive bellflowers; thrives best in light, rich soil; some of the varieties flower the first season if sown early.

1045—Double Blue.

1047—Double White.

1046—Double Rose.

1050—Double Mixed.

Each above, Pkt. 10c

### CAMPANULA CALYCANTHEMA

#### \*(Cup and Saucer)

1060—Blue.

1063—White.

1062—Rose.

1065—Mixed.

Each above, Pkt. 10c

1095—Mixed Annual Canterbury Bells—This contains the following colors: dark and light blue, pink, rose and white. Pkt. 10c.

### 1100—CANARY BIRD FLOWER

This is one of the most beautiful of climbers, with handsomely fringed rich yellow flowers and delicate foliage. Per pkt. 10c.

### \*CANDYTUFT (Perennial)

Dwarf evergreen plants, 6 to 10 in., covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

1105—Gibraltarica—Pinkish white. Per pkt. 10c.

1108—Sempervirens—Flowers form a sheet of whiteness. Per pkt. 10c.

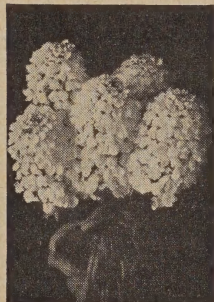
### CANDYTUFT

#### (Hyacinth Flowered)

Candytuft has long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and sowing the seeds where the plants are to bloom.

1113—Little Prince—Dwarf white. Pkt. 10c.

1115—White Empress—Very sweet and attractive. Pkt. 10c



### CANDYTUFT (Iberis Umbellata)

1120—Crimson—Pkt. 10c.

1123—Rose—Pkt. 10c.

1121—Flesh—Pkt. 10c.

1124—White—Pkt. 10c.

1122—Lavender—Pkt. 10c.

1130—Mixed—Pkt. 10c.

### \*CANNA

The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants can be produced.

1135—Choice Mixed—Pkt. 10c.

### CARDINAL CLIMBER

1140—Ipomea Quamoclit Hybrids—The finest new annual climber introduced in many years. Very graceful and beautiful, growing rapidly, and in a warm, sunny location, in good soil it reaches a height of 20 feet and is densely clothed with deeply lacinated palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring  $1\frac{1}{4}$  inches across. Pkt. 10c.

### CARNATION

1165—Marguerite—This well-known variety blooms five months after the seeds are planted and may be treated as an annual. The vigorous plants bear deeply fringed, sweet-scented flowers in a choice assortment of rich colors. Pkt. 10c.

Those Marked \* are Perennials



## \*CARNATIONS CHABAUD'S GIANT DOUBLE

A new strain, remarkable for its combination of earliness with the continuity of bloom and perfection of flowers of the perpetual type. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring. Blooms in 5 months from seed.

1145—Chabaud's Double Improved Coppery Salmon. Pkt. 15c.

1146—Chabaud's Double Dark Red. Pkt. 15c.

1147—Chabaud's Double Imp. Rose Pink. Pkt. 15c.

1148—Chabaud's Double Scarlet. Pkt. 15c.

1149—Chabaud's Double White. Pkt. 15c.

1150—Chabaud's Double Yellow. Pkt. 15c.

1155—Chabaud's Double Mixed. Pkt. 15c.

1160—Engelman's—We believe that there is no better carnation than this, over 80 per cent will be double and is a perpetual bloomer. Mixed, pkt. 25c.



### CELOSIA CRISTATA

Showy, half-hardy annuals of easy cultivation; 1 foot; producing large, brilliant, comb-like flower heads.

1170—Tall Crimson. Pkt. 10c.

1174—Dwarf Mixed—All the above and others. Pkt. 10c

1178—Tall Cockscomb Mixed—18 to 24 in. Pkt. 10c

Plumosa Varieties— $2\frac{1}{2}$  to 3 feet. These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1182—Mixed, all colors. Pkt. 10c.

The Chinese Woolflower (Celosia Childsii)—Plants grow two to three feet high. Scores of branches are thrown out, each bearing a ball of scarlet wool mixed with fresh green foliage, so that a plant looks like an immense bouquet.

1185—Childsii Mixed. Pkt. 10c.

## NEW DWARF DOUBLE CORN FLOWER

1205—Jubilee Gem is a dwarf variety of Corn Flower making a compact plant literally covered with flowers. The plant is about 12 inches in height. Easy to grow, it is "everyone's" flower and is adaptable for almost any purpose to which a plant may be put. As an edging plant, Pkt. 15c.

### CENTAURAEA IMPERIALIS

(Sweet Sultans)

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut-flower purposes. The charming, sweet-scented, artistic-shaped flowers are borne on long, strong stems and when cut will stand for several days in good condition. It is best, in this latitude, to sow very early in the spring, so that they may perfect their flowers before very hot weather comes;  $2\frac{1}{2}$  feet.



Following distinct colors:

1210—Amaranth—Red.

1214—White.

1211—Brilliant Rose.

1216—Suaveolens, Yellow

1212—Deep Lavender.

1220—Imperialis, Mixed.

1213—Purple.

Price, each of the above: Pkt. 10c



**CENTAUREA (Dusty Miller)**

1230—*Candidissima*—10 in. Thick silvery white leaves, used for bedding purposes. Pkt. 10c.

1234—*Gymnocarpa* Dusty Miller—1 ft. Foliage finely cut of silvery gray color, used for bedding. Pkt. 10c.

**\*CHEIRANTHUS**

1250—*Allioni*—1 ft. Fine rock or border plant with orange flowers. Pkt. 10c.

1251—*Golden Bedder*—12 in. A brilliant golden yellow, blooms freely from seed first year. Pkt. 15c.

**\*CHELONE**

Long coral-red spike like a pentstemon.

1255—*Hybrida, Mixed (Turtle Head)*—3 ft. July and August. Allied to Pentstemon; throws out long spikes of brilliantly-colored flowers. Pkt. 10c.

1258—*Barbatus Coccinea*—Red. Pkt. 10c.

**CHRYSANTHEMUM**

1280—*Mawii*—A perennial Chrysanthemum with rich pink flowers, perfectly hardy. An ideal subject for border or rockery, height about one foot; flowers two inches across. Silvery foliage. Pkt. 15c.

**CINERARIA**

1285—*Hybrida Grandiflora*—This strain is by far the most popular with our florist friends. Very large blooms in many exquisite colors. Pkt. 35c.

**CLARKIA**

One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hanging baskets, vases and as edgings to beds of larger growing plants. Sow outdoors in early spring and grow in partial shade. The plants keep up a continuous bloom through midsummer to late autumn. Average height 1½ feet.

1290 — *Alba Elegans* — Double pure white. Pkt. 10c.

1293—*May Blossom*—Pure glowing rose which deepens with age to a shade of pink. Pkt. 10c.

1294—*Salmon Queen*—Double salmon. Pkt. 10c.

1295—*Scarlet Queen*—Double orange scarlet. Pkt. 10c.

1297—*Purple Prince*—Double purple. Pkt. 10c.

1298—*Double Elegans Mixed*. Pkt. 10c.

1299—*Double and Single Mixed*. Pkt. 10c.

1300—*Double Enchantress*—Light orange, shading to pink, a delightful color. Pkt. 10c.

**CLEOME**

1305—*Pungens (Spider Plant)*—5 ft. A showy garden annual producing curious heads of flowers of white; of easy cultivation, blooming until late; a good bee plant. Pkt. 10c.

**COBOEA**

*Coboea Vine, Cathedral Bells*—One of the hand-somest and most rapid growing annual climbers, running up to 30 feet in a season. The flowers are bell-shaped and of a purplish lilac when full grown. It is a very prolific bloomer.

1310—Blue.

1315—Mixed.

Pkt. 10c

1311—White.

**\*COLUMBINE (Aquilegia)****LONG SPURRED HYBRIDS**

1321—*Long-Spurred Crimson Star (New)*—Rich dark crimson sepals and spurs, in wonderful contrast to the white petals—a combination of colors entirely new in Aquilegia. Flowers are large. Pkt. 25c.

1322—*Long-Spurred Blue*—Splendid selection from light to dark blue. Pkt. 15c.

1323—*Long-Spurred Pink Shades*—These bright pink shades are particularly showy. Pkt. 15c.

1324—*Long-Spurred Silver Star*—Silvery white flowers. Pkt. 10c.

1325—*Long Spurred Hybrids*—The flowers are very large and distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new, in the species and are the result of very many years' careful hybridization.

Per pkt. 15c

1330—*Single Mixed*—Many varieties. Per pkt. 10c.

1340—*Coerulea (Rocky Mountain Columbine)*—3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Per pkt. 10c.



1326—*Mrs. Scott Elliott's Strain of Long Spurred Hybrids*—The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, pinks, whites, creams, yellows, reds, etc. There are no jarring or crude tints, and the whole form a most harmonious mass of coloring seldom seen in other flowers.

Per pkt. 25c

**1345—BUTZER'S SPECIAL MIXTURE**

This mixture contains a great variety of all long spurred types in a splendid blend of colors. We do not believe that a more varied mixture of these choice columbine can be had. Pkt. 15c.

**COLEUS**

1350—*Fine Mixed*—A fine mixture, seed of which was saved from selected plants of good coloring. 20 in. Pkt. 15c

1351—*Mammoth Rainbow Mixture*—2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches long and 8 inches wide, heart-shaped and frilled; their color combinations are remarkably rich. Pkt. 25c.

**\*COREOPSIS (Double)**

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

1359 — *Sunburst Fl. Pl. (Double Flowering Coreopsis)*—This new form is just as easy to grow as is the single and the extra petalage adds a further charm to the flower. Pkt. 10c.

**COSMOS****1375-KLONDYKE ORANGE FLARE**

Now at last we may grow the lovely orange colored cosmos and be assured of having flowers before frost. In most parts of the country this brilliant hued flower is practically unknown because of its late flowering habit. A strain which is in full bloom less than five months from sowing. The color is the same vivid orange of the ordinary Klondyke, with attractive light green foliage. Pkt. 10c

**COSMOS**

One of the best and showiest annuals for late summer blooming. The flowers are borne on long stiff stems and with the feathery foliage make beautiful bouquets. Will last about a week in water.

Mammoth Flowering—

1383—Crimson.

1386—White.

1384—Pink.

1390—Mixed.

Each, above, pkt. 10c

**EARLY FLOWERING COSMOS**

Seed started early in the house or frame, will produce flowers a month earlier than Mammoth.

1395—Crimson. Pkt. 10c.

1397—Pink. Pkt. 10c.

1399—White. Pkt. 10c.

1403—Mixed. Pkt. 10c.

**VIGORO IS IDEAL FOR LAWNS, FLOWERS, SHRUBS, TREES, VEGETABLES!**



**COSMOS CRESTED**

Anemone Flowered or Crown and Crested—These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

1408—Crimson.

1414—Mixed.

1410—Pink Beauty.

Each of the above pkt. 10c

1412—White Queen.

1416—Sensation—This giant flowered early strain, with flowers even larger than the late, has been selected to produce tall plants, reaching four feet. This gives a summer effect fully equal to the late varieties, which seldom flower before frost in the northern states.

Pkt. 15c

**CYNOGLOSSUM (Chinese Forget-me-not)**

This easily grown annual deserves to be grown quite extensively on account of its wide range of adaptation, easy culture, and attractiveness.

Sow the seed during April or May, covering it with  $\frac{1}{4}$  inch of fine soil. When plants are about 2 inches tall thin to stand 6 inches apart. The plants will soon bear a mass of flowers.

1430—Amabile Blue—Rich turquoise blue. Pkt. 10c.

1433—Amabile Pink—A bright pink. Pkt. 10c.

**CYPRESS VINE (Ipomoea Quamoclit)**

One of the most beautiful rapid growing climber with delicate dark green, feathery foliage and many bright, star-shaped, scarlet or white blossoms. Seed is usually sown outdoors early in spring in the row where the plants are to remain. Cover seed one-half inch deep.

1435—Scarlet—A very deep, rich shade. Pkt. 10c.

1437—White—Clear paper white. Pkt. 10c.

1440—Mixed—The two colors above. Pkt. 10c.

**\*DAHLIA**

Seed may be sown in spring in open ground after danger of frost is over, but for best results sow in shallow pans at any time from March to June, and transplant the seedlings to small pots. When strong enough and danger from frost is over plant out one foot apart. These plants will produce tubers which should be taken up in the fall and replanted the following spring; these roots will flower freely the following autumn. Tender herbaceous perennial, three to four feet high.

1445—Coltness Hybrids—18 in. Habit neat and compact, blooms from July until frost. The flowers of red and yellow have either flat or slightly fluted petals, and are nearly all three inches in diameter. Pkt. 15c.

1448—Unwin's Dwarf Hybrids—18 in. A valuable acquisition in annual bedding and cut flowers. Sown in March, these hybrids bloom by the end of June. They produce an abundance of graceful, semi-double flowers, and show all the fine shades that are known in Dahlias. Pkt. 15c.

1451—Finest Double Mixed—Seeds saved from choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc. Pkt. 10c.

1452—Finest Single Mixed—Will produce brilliant flowers running through a wide range of striking colors. Pkt. 10c.

1453—Finest Cactus—From the best varieties, mixed. Pkt. 10c.

**\*DAISY**

Daisy, or Bellis Perennis—Plants of Double Daisy will bloom the first summer and will continue to bloom for years if given slight protection during the winter. They are very pretty when in bloom, and deserve to be grown much more than they are. They commence blooming in April and continue to bloom until summer. They are not very particular as to soil, but should be grown where they have partial shade.

1462—Double Red. Pkt. 10c.

1464—Double Rose—Finest strain. Pkt. 10c.

1466—Double White—Clear white. Pkt. 10c.

1469—Double Mixed. Pkt. 10c.

**1473—\*SHASTA DAISY**

A fine perennial plant bearing large white single blossoms, with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water over night before sowing. Pkt. 10c.

**\*SHASTA DAISY****1475—NEW GIANT DOUBLE WHITE**

This strain includes an assortment of various types of double flowers ranging from the most fully double fringed petaled sorts through semi-doubles, to a type which, though single, forms unusual and beautifully shaped flowers with lacinated, curled and quilled petals. Pkt. 15c.

**\*DELPHINIUM**

Hardy Larkspur—One of the finest garden flowers, furnishing our gardens with flowers of great beauty in form and color. Seeds sown in beds or flats from August through November will bloom the following spring. Cover the seed lightly and shade the seed bed during August and September. The first transplanting may be made when plants are sufficiently large to handle, spacing them about 6 inches apart. Spray the plants occasionally with Bordeaux Mixture to prevent mildew.

1485—Pride of the Garden (Wrexham)—Tall spires with large florets closely placed on the spike. Rich assortment of light and dark shades. Pkt. 25c.

1488—Blackmore & Langdon's (Gold Medal Strain)—A truly magnificent strain which has won hundreds of medals at important shows. The flower spikes are extremely heavy, full flowered, and exceptionally long. Height 4-6 ft. Pkt. 25c.

**BUTZER'S PORTLAND HYBRIDS DELPHINIUM**

1490—\*Butzer's Portland Hybrids—This mixture is a wonder. The plants are strong and vigorous. The flower spikes are tall and graceful, covered from bottom to top with the most beautiful hollyhock-like flowers. The colors are from the palest lavender to the richest blue, some with white centers, others with black, reminding one of bees at work. Pkt. 15c.

**\*DELPHINIUM**

1493—Belladonna—Light Blue. 2 feet. Flowers exquisite shade of turquoise blue. Pkt. 10c.

1495—Bellamosum—Dark Blue. Pkt. 10c.

1497—Cardinale—Brilliant Scarlet. Pkt. 15c.

1505—Hoodacres White. Pkt. 25c.

1507—Finest Mixed. Pkt. 10c.

**DIMORPHOTHECA (African Daisy)**

A showy annual from South Africa, which has become a great favorite because of its easy culture and beautifully colored flowers. The colors include all shades of yellow, orange, cream and white, and massed in beds or wide borders they have a very brilliant effect. They may be planted during the fall, spring or summer. Height 12 inches.

1525—Salmon Beauty.

1527—Golden West.

1529—Orange.

1531—White Beauty.

1535—Mixed.

Each of the above, pkt. 10c

**ESCHSCHOLTZIA**

Eschscholtzia, or California Poppy—The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain.

1553—Golden West—Yellow orange center. Pkt. 10c.

1558—Scarlet Beauty—Deep scarlet. Pkt. 10c.

1565—Mixed—Pkt. 10c.

**ESCHSCHOLTZIA RAMONA (Frilled California Poppies)**

Ramona type California Poppies are beautifully frilled and fluted, in the russet and pinkish shades, on neat growing plants which form a compact mass of flowers. They are very effective when used as a border or as a ground cover in the rose garden.

1570—Ramona Hybrids. Pkt. 10c.

Those Marked \* are Perennials

*Small Seeds Require Very Careful Handling and Little Covering.*



**FORGET-ME-NOT (Myosotis)**

Half-hardy perennial, which flowers the first year from seed if sown early. Will bring forth lovely blossoms throughout the whole summer and fall. Flowers are borne on long stiff stems, and of the most exquisite colors. They succeed best with moisture in a somewhat shaded position.

1595—Blue. Pkt. 10c. 1602—Mixed. Pkt. 10c.  
1597—Pink. Pkt. 10c.

**FOUR O'CLOCK**

1604—Marvel of Peru—A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at four o'clock, close in the morning. Choice Mixed. Pkt. 10c.

**\*FOXGLOVE (Digitalis)**

Digitalis—A hardy perennial, blooming the second year from seed. Grows usually about 3½ feet. The bell-shaped flowers are borne on long spikes, and come in shades of purple, lavender, rose and white, all spotted lightly inside the blossoms.

1606—The Shirley—A magnificent strain of the highest beauty, the results of many years of careful re-selection, bearing enormous flowers ranging from pure white to the deepest rose, and wonderfully blotched and spotted dark maroon, crimson and chocolate. Pkt. 15c.

1610—Gloxiniiflora—This is a fine strain of the ordinary Foxglove (D. purpurea), with handsome spotted Gloxinia-like flowers on long spikes. Mixed. Pkt. 10c.

1612—Butzer's Special Mixture of Digitalis—A grand mixture of the above, and many other colors. Pkt. 10c

**FUCHSIA (Ladies' Eardrop)**

Popular for winter blooming, as well as for summer bedding, window boxes, etc. Bloom profusely and are always admired. No window box is complete without them, and they are a delight in the garden.

1615—Double and Single Mixed. Pkt. 35c.

**\*GAILLARDIA**

1618—\*Burgundy—Shining wine-red flowers about 2½ in. in diameter, on long stiff stems, from June until fall. Blooms from seed the same year, if sown early, comes 60% true from seed. Pkt. 10c.

1620—\*Dazzler—Large flowers up to 5 inches across, bright golden yellow with rich maroon red center, fine for cutting. Pkt. 10c.

1623—\*Grandiflora (Perennial)—A compact variety, forming bushy plants 12 to 15 inches high, and bearing its long-stemmed flowers well above the foliage. In coloring the flowers are as rich and varied as those of the tall-growing sort. Pkt. 10c.

**GAILLARDIA  
(Blanket Flower)**

Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 3 to 3 ft.

1625—\*Portola Hybrids—This strain of Hybrid Gaillardia has been obtained from a specialist who has developed a splendid type, covering only the best varieties. The flowers are as large as sunflowers. Pkt. 10c

1629—\*Butzer's Special Mixture of Gaillardias—A grand assortment of all varieties. Fine for cut flowers. Pkt. 10c.

1633—Indian Chief—The blooms of this variety have an exceptional richness of color. The petals are a glittering, metallic, bronzy red color accentuated by a dark brown center. This variety is of the bedding type as it makes dense bushy plants that grow about a foot high. Throughout the Summer the plants are well covered with large single blooms. Pkt. 10c.

**GENTIANA (Gentian)**

1641—\*Acanlis—4 in. Large bell-shaped deep blue flowers; spring blooming. Seeds, per pkt. 15c.

**GERBERA (Transvaal Daisy)**

1645—Jamesoni Hybrids—Large daisy-like blossoms with flower stems rising to a height of about two feet. Colors range from white to crimson, pink, rose, yellow and lilac shades. Flowers both summer and winter. Seed sown under lath-house conditions in sandy soil where good drainage is provided germinates easily.

Pkt. 20c

**GERANIUM**

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

1649—Zonale Varieties—Saved from a choice collection. Pkt. 15c.

**\*GEUM**

A beautiful hardy perennial producing flowers in profusion from spring till fall. It is an excellent cut flower, having long stems and keeping well.

1653—Lady Stratheden—Very striking double yellow flower, very large. Pkt. 10c.

1655—Mrs. Bradshaw's Double Red—Large bright orange-scarlet double flowers. Pkt. 10c.

1657—Prince of Orange—A true rich orange, blooming in early summer. Pkt. 15c.

**GODETIA**

Godetias thrive in partial shade and even rather poor soil. The single varieties are very compact with the cup shaped, satiny flowers covering the plant. The double varieties have flowers like satin pompons. Excellent for beds or borders. Seeds should be sown in the fall or early spring. Annual.

1679—Sybil Sherwood—Considered by many the most beautiful Godetia. Flowers are a lovely shade of salmon-pink with petals edged with white. Grows about 20 inches tall and flowers are good for cutting. Pkt. 10c.

1699—Tall Double Carminea.

1703—Tall Double Crimson.

1707—Tall Double Pink.

1711—Tall Double Rose.

1716—Tall Double Mixed.

1694—Dwarf Single Mixed.

Price, each of the above, pkt. 10c

**ORNAMENTAL GOURDS**

The growing of ornamental gourds has come much to the fore in recent years. Many are fantastically beautiful and some useful. Seeds should be sown about 1 inch deep, after all danger of frost is over, and the plants should be left ½-foot apart. Plant in full sun and keep soil moist—but not too wet.

1720—Apple Shape—Pkt. 10c.

1723—Large Cave Man's Club—Pkt. 10c.

1724—Bottle—Large. Thermos bottle. Pkt. 10c.

1725—Bottle—Miniature. Pkt. 10c.

1726—Calabash or Pipe Gourd—Odd-shaped fruit which is used in making pipes. Pkt. 10c.

1727—Dipper—Fruit makes an excellent dipper and may be used for wren's nests. Pkt. 10c.

1728—Dish Cloth or Towel. Many women prefer a dishcloth made of this Gourd as it is sweet and clean as long as it lasts. Pkt. 10c.

1729—Hercules Club—Fruit grows 3 to 4 feet long. Pkt. 10c

1730—Nest Egg—Practical nest eggs. Pkt. 10c.

1731—Orange—The well known Mock Orange. Pkt. 10c

1732—Pear-Shaped—Striped yellow and green. Pkt. 10c

1733—Sugar Trough—Thick shells, very durable. Pkt. 10c

1734—Large Varieties Mixed—Pkt. 10c; oz. 50c.

1735—Small Varieties Mixed—Pkt. 10c; oz. 50c.

1736—All Varieties Mixed—Pkt. 10c; oz. 50c.

## HAVE YOU ORDERED YOUR SWEET PEA COLLECTION?

*Remember It is Not a Home Until It Is Planted.*



## GYPSOPHILA



Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets.

1740—*Elegans Grandiflora Alba* (Angel's Breath)—This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Pkt. 10c.

1743—*Elegans Crimson*—Pkt. 10c.

1746—*Elegans Rosea*—Soft pink. Pkt. 10c.

## 1750—\*GYPSOPHILA (Perennial)

*Paniculata* (Baby's Breath)—2-3 in. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Per pkt. 10c

1754—\**Paniculata Flore Pleno* (Perennial)—A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Pkt. 10c.

## 1758—\*GYPSOPHILA PACIFICA (Perennial)

The new hardy pink Baby's Breath. Thrives in any soil. The second year the seedlings form dense bushes 4 feet high, and the thread-like stalks of tiny pink blooms in slender, spreading panicles. Pkt. 15c.

## 1786—HELIOTROPE

A well known and highly prized plant because of the delightful fragrance of the flowers. Excellent for pots, or for bedding. Height, 18 inches.

Choice Mixed. Pkt. 10c

## \*HELLEBORUS (Christmas Rose)

1791—*Niger*—1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established do not disturb; seeds germinate very slowly. Seeds, per pkt. 15c.

## HELICHRYSUM

(Everlasting Flower)

A free-flowering hardy annual, growing four to five feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. The stems are long and the blossoms large. It is the best and most satisfactory of the everlasting flowers, and makes a very beautiful dried bouquet.

1795—*Fireball*. Pkt. 10c.

1799—*Goldenball*. Pkt. 10c.

1804—*Rose Carmine*. Pkt. 10c.

1816—*Finest Mixed*. Pkt. 10c.

## \*HEUCHERA (Coralbells)

Beautiful plants for front row of borders, with slender, fairy-like spikes of richly colored flowers; most striking in the garden and light and graceful for cutting.

1821—*Sanguinea Hybrida Grandiflora*—New large flowered hybrids, very fine. Per pkt. 25c.

## \*HIBISCUS (Rose Mallow)

Noble shrub-like plants, with handsome green foliage, bearing throughout the summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use.

1829—*Mixed Mallow Marvels*—Grand assortment. Pkt. 10c

## \*HOLLYHOCK

A hardy perennial of upright, stately growth, five to eight feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in the garden, or a fine background next to a building or high wall or fence.

1848—*Scarlet*.

1855—*Newport Pink*.

1851—*Yellow*.

1859—*Double Mixed*.

All of above, pkt. 10c

1863—*Double Imperator Improved*—An entirely new formation. The blooms are composed of a very broad collar of frilled and fringed petals. Mixed colors. Pkt. 15c

1865—*Indian Spring*—Sow seed in cold frame and set out in 5 weeks. They will bloom in 10 weeks, large individual flowers from pink to deep rose. Pkt. 15c.

Those Marked \* are Perennials

## 1873—HUNNEMANNIA

*Fumariaefolia*—Double (Bush Escholtzia, or Santa Barbara Poppy)—Double. 1½ ft. Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. Pkt. 15c.

## ICE PLANT

1880—*Mesembryanthemum Crystallinum*—6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt. 10c.

## IMPATIENS

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

1885—*Holstii Hybrids*—Range from pink through red shades to purplish-violet. Pkt. 20c.

## KOCHIA

1895—*Kochia* (Standing Cypress, or Belvedere)—An easily grown annual, which, sown thinly in spring, soon forms a cypress-like hedge of the most lively green and of perfect symmetry; by midsummer it attains a height of about three feet, and on the approach of autumn the whole plant becomes a deep red. Pkt. 10c

## LANTANA

1905—*Hybrida, Mixed*—2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume. Pkt. 10c

## LARKSPUR GIANT IMPERIAL



Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for florists' and general garden use. The delphinium-like spikes of double flowers, carried on stems 4-5 feet long, are compactly placed on the upright growing plants.

1925—*Blue Bell*—A delightful clear light blue.

1926—*Blue Spire*—A magnificent tall blue larkspur.

1928—*Carmine King*—Color rich carmine.

1930—*Exquisite Pink*—Soft pink shaded salmon.

1932—*Lilac Spire*—Exquisite lilac colored spikes.

1934—*Los Angeles Improved*—Rich rose colored spikes with dark green foliage.

1936—*Miss California*—A rich deep pink on salmon ground.

1938—*White Spire*—Dazzling pure white.

1941—*Rose City Mixed Larkspur*—A mixture of the newest larkspurs, including the new salmon shades.

Each of above, pkt. 10c

1945—*Special Mixture*—Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. Pkt. 10c.

## \*LATHYRUS LATIFOLIUS

(Hardy Pea)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

1950—*Pink Beauty*—Pale pink variety. Pkt. 10c.

1951—*Rubra*—Bright rosy crimson. Pkt. 10c.

1952—*White Pearl*—Large-flowering white. Pkt. 10c.

1955—*Mixed*—The above colors. Pkt. 10c.

## \*LIATRIS (Kansas Gay Feather)

1979—*Pycnostachya*—4 to 5 ft. One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grasslike; excellent for masses in the border. July-August. Pkt. 15c

## LINUM

1983—*Grandiflorum Rubrum* (Crimson Flax)—2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt. 10c.

1986—\**Perenne, Blue*—Light blue flowers. May until August. Pkt. 10c.

If You Wish to Help a Gardening Friend Recommend Our Seeds.



## LOBELIA

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

1990—Crystal Palace Compacta—Rich, deep blue; dark foliage; the finest dark blue for bedding. Pkt. 10c

### Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

1993—Prima Donna—10 in. Velvety crimson. Pkt. 15c

1994—Speciosa—10 in. Dark blue, dark foliage. Pkt. 10c

1995—Sapphire—Large, deep blue flowers, with a pure white eye. Pkt. 10c.

### \*LOBELIA—Cardinal Flower

1996—Cardinalis—Large blooms of flaming scarlet borne on long stems. July until September. Pkt. 20c.

## LUNARIA

2000—Annu (Biennis) (Honesty or St. Peter's Penny)—Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Pkt. 10c.

## 2001—LUPINUS, RUSSELL HYBRIDS

The Russell Hybrid Lupines have proved the most outstanding hardy Lupine ever developed. The plants grow into well-rounded, well-branched bushes, each developing a number of extra-large spikes closely set with flowers. One of the most outstanding features of this strain is the range of beautiful colors—deep yellow, orange, red, and brilliant bicolor combinations never seen here before in hardy Lupines.

Pkt. 20c

### \*LUPIN (Perennial)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

2004—Polyphyllus (Old-fashioned Garden Lupin)—Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt. 10c

2007—Roseus—4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt. 10c.

2010—Mixed—Splendid value. Pkt. 10c.

## LUPINUS

2015—Tall Annual Varieties Mixed—2 ft. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers. Pkt. 10c.

2019—Dwarf Annual Varieties Mixed—1 ft. Pkt. 10c

## 2020—LUPINS HARTWEGI GIANTS MIXED

Annual Lupins are favorite garden flowers in almost all parts of the country, flowering freely without any special care. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms, in a color range including dark blue, sky blue, rose and white. Pkt. 10c.

## MARIGOLD

2027—Ferdinand—Tall Single Harmony Type Marigold—Ferdinand is one of the gayest of flowers, with a crested center with a greenish tubular throat in a range of shades of golden yellow, surrounded by a single row of broad mahogany red large petals. The flowers are of medium size,  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches in diameter. Pkt. 15c.

2029—Spotlight—French Dwarf Double Harmony Type—Spotlight has all the fine qualities of Harmony but is a much more colorful flower. The plants are about 12 to 14 inches high, very compact, extremely free blooming. Its gay brilliant colored flowers with a yellow shaded center, with a broad velvet dark mahogany red guard petal. Pkt. 15c.

## MARIGOLD

2030—Crown of Gold—The first known marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange.  $2\frac{1}{2}$ -inch flowers, fragrant. Plant is  $2\frac{1}{2}$  feet tall. Pkt. 15c.



## 2035—GIGANTEA SUNSET GIANTS

For many years we have had calls for a sweet fragrant Marigold. At last we have it. The flowers are the largest ever known in the Marigold group, averaging 5 inches in diameter and growing to a height of 3 to 4 feet. Sunset Giants is a mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, and a delightful new shade of primrose. The strain comes from 60 to 65 per cent double.

Pkt. 15c



2040—Harmony—Distinctly different in form and color of flowers. Cushion-like center of flower composed of golden orange disc petals, fluted and deeply cut. This is surrounded by four or five rows of brilliantly contrasting reddish-brown outside petals. Blooms early and flowers profusely until hard frost. The plants being about 12 inches high, and very bushy. Pkt. 15c.

2045—Dixie Sunshine—From the Land of Dixie to the gardens of the world comes the most charming and unique Marigold. The large bell-shaped flowers composed of dozens of tiny five-petaled florets, gracefully interlocking, daintily fringed in effect. Brilliant golden yellow, 100 per cent fully double. Pkt. 10c.

2050—Yellow Supreme—A large bloom of honey fragrance, with broad, loose, frilled petals of a rich, lemon-yellow, of true "carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt. 10c.

2052—Harmony Hybrid—French Dwarf Double Type—This is something new in the Harmony Type Marigold. Ranging in color from a light yellow center, with a deep mahogany border, others more clear yellow, others more in the stripe in the yellow which makes a very attractive flower. The flower ranges  $1\frac{3}{4}$  to 2 inches in diameter. All the flowers have the familiar crested center. Pkt. 25c.

## TALL DOUBLE AFRICAN

2055—Lemon Ball—A counterpart of Orange Ball, except in color, which is a soft lemon-yellow. Pkt. 10c.

2059—Orange Ball—Large, perfect, double-quilled flowers, of a rich deep golden-orange color; the finest of all and very showy. Pkt. 10c.

2061—Prince of Orange—Large flowers of a deep golden orange color; very showy. Pkt. 10c.

2063—El Dorado—Large double imbricated flowers in all shades of yellow; 3 ft. Pkt. 10c.

2067—Finest Mixed—Pkt. 10c.

## DWARF DOUBLE AFRICAN MARIGOLDS

2070—Dwarf Orange Ball—A splendid pure golden yellow, flowers of good size and makes a very effective golden line or bed. Pkt. 10c.

2072—Dwarf Lemon Ball—Similar to the above except in color, which is a light lemon-yellow. Pkt. 10c.

2074—Dwarf Finest Mixed—Pkt. 10c.

*Buy the Seeds and Raise Your Own Plants.*



**FRENCH TALL DOUBLE**

2078—Finest Mixed—Pkt. 10c.

**DWARF FRENCH VARIETIES DOUBLE**

2093—Dwarf Legion of Honor—Brown, spotted yellow. Pkt. 10c.

2096—Robert Beist—Dark brown and orange.

Pkt. 10c

2100—Finest Mixed—Pkt. 10c.

**DWARF SINGLE FRENCH MARIGOLD**

2103—Fire Cross—Red and yellow. Pkt. 10c.

2106—Legion of Honor—Single. The flowers are golden yellow, spotted with crimson. Pkt. 10c.

2110—Finest Mixed—Pkt. 10c.

2114—Guinea Gold—2 to 2½ ft. The original carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100 per cent double. Pkt. 10c.

**MARIGOLD**

2118—Monarch Strain of Dwarf French Double Mixed—Comprising a wide range of fine colors including orange, bronze and mahogany. The color combinations are very glowing, giving a rich and pleasing effect. Pkt. 10c.

2138 — Golden Orange — Dwarf French Double—This is one of the finest border plants. Habit of growth is compact and it blooms well over a long season. Round golden yellow flowers are very attractive. Pkt. 10c.

2139—Lemon Yellow—A counterpart of Orange Ball, except in color, which is a soft lemon-yellow. Pkt. 10c.

**2145—MARIGOLD ROYAL SCOT**

The large well-formed double flowers are produced in abundance on plants from 24 to 30 inches in height. The color is a charming combination of mahogany and gold in symmetrical stripes which radiate from the center of the flowers. Pkt. 10c.

2149—Mexican Marigold (Signata Pumila)—10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripes down the center of each petal. Very striking for edgings. Pkt. 10c.

2153—Golden Gem—This is the border marigold. Dwarf and compact in habit, the plant is covered with dozens of small single orange flowers throughout the summer. For long blooming period and brilliant coloring, Golden Gem has few equals as an edging plant. Pkt. 10c

2157—Little Giant—We are proud to offer Little Giant as the highest development yet attained of this pretty little Marigold, with slender fernlike foliage and an abundance of dainty, single, golden orange flowers on plants which are only four to six inches high, with a spread of eight to ten inches. Pkt. 10c.

**MATTHIOLA**

2165—Bicornis (Evening-scented Stock)—15 in. The flowers in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. Pkt. 10c.

**MIMULUS**

2168—Tigrinus (Monkey Flower) Queen's Prize, Single Mixed—1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging through white, pale yellow, golden flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt. 15c.

**MIGNONETTE (Reseda)**

2170—Bismarck—1 ft. The red flowers are larger in every way than those of other sorts, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt. 10c.

**MIGNON-ETTE**

(Reseda)

A well known fragrant favorite, and no garden is complete without a bed of Mignonette; sowings made in



April and again in July will keep up a succession from early summer until frost; can also be grown in pots for winter and early spring flowering.

2173—Sweet-Scented (Reseda Odorata)—The old-fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 10c.

2176—Machet—Adapted for pot culture; dwarf pyramidal growth, bearing numerous flower stalks; highly colored and very fragrant. Pkt. 10c.

2179—Red Goliath—Of strong, yet compact habit, with rich green foliage; the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of color; especially suited for house culture. Pkt. 10c.

**MOON FLOWER**

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems.

2181 — Grandiflora Alba (Moon Flower)—Large white blossoms, five to six inches across, which expand at night. Pkt. 10c.

2182—Heavenly Blue Improved (Moon Flower)—Of strong, vigorous growth, the plants quickly attain a height of twelve to fifteen feet. Pkt. 10c



2183—Finest Mixed—Pkt. 10c.

**MORNING GLORY**

2185—Tall Morning Glories Mixed—A great variety of colors of the old-fashioned, popular, rapid-growing climber. Pkt. 10c.

2186—Dwarf Morning Glories Mixed—Hardy annual, one foot in height. Colors range from pure white to deep purple. Pkt. 10c.

2188—Imperialis (Japanese Morning Glory) Fine Mixed—The Japanese Morning Glory requires a warm situation to do well. Pkt. 10c.

2191—Setosa (Brazilian Morning Glory)—A summer climber, making a dense shade. Flowers rose colored; three to four inches in diameter. Pkt. 10c.

2192—Scarlett O'Hara—Few plants are easier to grow or give a more colorful and satisfying return for the care given them than the Ipomeas or Morning Glories. Scarlett O'Hara is an entirely new color in this popular flower—rich dark wine red or deep crimson. Pkt. 20c.

National  
**Eezy Wear**  
Garden Gloves

SEE PAGE 10

**VIGORO IS IDEAL FOR LAWNS, FLOWERS, SHRUBS, TREES, VEGETABLES!**



## NASTURTIIUMS

These favorite and well-known flowers are popular because of the great variety of colors which may be obtained with very little labor. They are not particular as to soil, fertility or cultivation and may be seen at the beach resorts growing in banks of pure sand where they get little or no attention. If you have an unsightly spot, plant Nasturtiums and convert it into a beauty spot. The dwarf varieties may be used for bedding and borders while the tall climbing varieties may be used for covering unsightly fences and fence corners. They will bloom in a few weeks after planting and will continue until cut down by the frost, providing the flowers are picked and not allowed to form seed.

### Semi Double Sweet Scented Nasturtiums

**2276—Dwarf Golden Globe** (Award of Merit All America Selections 1936)—Identical in color with the popular Golden Gleam but dwarf and compact in habit. Pkt. 10c; oz. 15c

**2283—Dwarf Gem Mixture**—The good-sized sweet scented double flowers gaily cover the dwarf compact plants in an excellent color range. Pkt. 10c; oz. 15c.

**2270—Golden Gleam**—Large very double sweet scented flowers of an attractive golden yellow. Pkt. 10c; oz. 15c

**2273—Orange Gleam**—Large, uniformly double flowers of deep golden orange, with a deeper shading at the center. Very free flowering. Pkt. 10c; oz. 15c.

**2279 — Scarlet Gleam** — The fiery orange-scarlet flowers are fully double, very large, sweet scented. Pkt. 10c; oz. 15c

**2289—Gleam Hybrids**—Large sweet scented double and semi-double flowers. The color range includes gorgeous shades of salmon, yellow, orange-scarlet, cerise and many others. Pkt. 10c; oz. 15c.

### Single Nasturtiums

**2225—Dwarf Mixed**—Pkt. 5c; oz. 10c; ¼-lb. 30c.

**2253—Tall Mixed**—Pkt. 5c; oz. 10c; ¼-lb. 30c.

## NEMESIA—1 foot

Free-blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches where they are intended to flower.

**2295—Large Flowered Mixed**—1 ft. It is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt. 10c.

## NEMOPHILA (Baby Eyes)—6 inches

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

**2299—Insignis Mixed**, all colors—Cup-shaped flowers in many bright colors, the blue shades particularly attractive. Pkt. 10c.



## NICOTIANA (Sweet Scented Tobacco Plant) 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

**2304—Affinis**—The popular free-flowering variety; fragrant star-shaped white flowers; annual, 3 feet high. Pkt. 10c

**2309—Nicotiana Affinis Hybrids**—Nicotiana colors. Pkt. 10c

## NIGELLA

(Love in a Mist, or Devil in the Bush)—A compact free flowering plant, with finely cut foliage, curious-looking flowers and seed pods; of easy culture, growing in any garden soil; hardy annuals; mixed; one foot.

**2315—Mixed**—Pkt. 10c.

## 2316—NIEREMBERGIA HIPPOMANICA

(Dwarf Cup Flower)—Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge cup-shaped flowers of a delicate lavender hue, 1 to 1½ inches across, adorned with a clear yellow eye. Pkt. 25c.



## \*OENOTHERA

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening primroses (Oenothera) drop their calyx and unfold their petals of large golden blooms.

**2319 — Lamarkiana Evening Primrose, Mixed**—½ to 2 ft. with large, saucer-shaped flowers, open at dusk; emit a delightful perfume. Pkt. 10c



## PANSIES—BUTZER'S ROSE CITY GIANTS

The imposing five-spotted flowers which on long, vigorous stalks surmount the foliage in the most graceful manner, are of enormous size, perfectly round form, original structure and unusual substance. The individual petals are exceedingly broad and cover each other in such a manner as to make the flowers appear almost double.

**2325—Butzer's Rose City Giant Pansies**  
Per pkt. 25c; 5 pkts. \$1

## 2328—BUTZER'S OREGON GIANT PANSY MIXTURE

A mixture of pansies unrivaled for diversity of coloring and markings.

This mixture is made up from the finest named varieties grown by a pansy specialist.

Per pkt. 10c; ¼ oz. \$2.00

## SWISS GIANTS

A truly magnificent new strain of Giant Pansies, more beautiful than any others we have ever seen. It produces well rounded, compact plants which are literally covered with immense, heavy blossoms of remarkable substance and texture. The range of color is simply remarkable.

**2338—Swiss Alpenglöw**—The color is of a rich velvety garnet with three dark blotches. Pkt. 25c.

**2339—Swiss Berna**—Dark violet blue. Pkt. 25c.

**2340—Swiss Blue (Ullswater) (Thuner Sea)**—A solid blue flower with a blue black center. Pkt. 25c.

**2341—Swiss Pure Yellow**. Pkt. 25c.

**2342—Swiss Yellow**—Rich yellow with blotches on the three lower petals. Pkt. 25c.

## 2345—SWISS GIANTS MIXED

Pkt. 25c; 5 pkts. \$1.00.

**2350—Maple Leaf Giant Mixture**—Leaves are of giant size and the flowers are 4 to 5 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt. 25c.

Those Marked \* are Perennials

*We Pay the Postage On All Flower Seeds.*



**2370—\*PASSIFLORA (Passion Vine)**

A splendid perennial climber, making a permanent and more or less woody vine. The flowers are very beautiful and of great interest due to their peculiar formation. Choicest Mixed, Pkt. 10c.

**\*PENTSTEMON (Beard Tongue)**

2372—"Sensation."—As a bedding plant this takes rank with the Petunia, Phlox, etc. It grows about 80 inches high, every branch being a spike of large, Gloxinia-like flowers in a very wide range of bright colors, including rose, red, carmine, cherry, pink, lilac, purple, etc. Pkt. 10c.

**PETUNIA**

The Petunia is without a peer among annuals for effective summer bedding or indoor culture. They are of easy culture, early to bloom and continue throughout the summer until the first killing frost. No other flower produces a great diversity of color, retaining their freshness for so long a period.

**PETUNIA****2380—GIANTS OF CALIFORNIA, MIXED**

The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt. 15c.

**2375—DWARF GIANTS OF CALIFORNIA (Ramona Strain)**

Produce flowers larger than any other type. They have open yellow throats, heavily marked and delicately veined. Compact, strong, and vigorous. Mixed colors, pkt. 25c.

**YELLOW PETUNIA**

2384—Dainty Lady is a grandiflora single fringed variety of a distinct new hue in Petunias, a delicate golden-yellow. Pkt. 25c.

**2385—HOLLYWOOD STAR**

This is a distinct novelty with five pointed star-shaped flowers of rose pink with creamy yellow throats. Plants are at first bushy and erect. Pkt. 15c

**2400—ROSY MORN**

Of compact growth, literally covered with flowers one and one-half inches in diameter. The throat is silvery white, while the edge is heavily flushed with soft rose-pink. Pkt. 10c.

2404—Rose of Heaven—Excels by its marvelous color—rich brilliant rose, white throat. Pkt. 10c.

2410—Heavenly Blue Re-Selected—A silvery light blue. Varies about 10 per cent in shade. Pkt. 10c.

2411—Celestial Rose—Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt. 15c.

2413—Flaming Velvet—A rich velvety crimson, best of its color in this class. Pkt. 15c.

2414—Fine Mixed—Excellent for bedding; many colors. Pkt. 10c.

**BALCONY PETUNIAS**

A splendid large and free flowering type either for window boxes, vases, hanging baskets, etc., the flowers average 3 inches across and make a very effective display over a long season.

2424—Balcony Black Prince—Dark crimson, rich and velvety, remarkably even. Finest of its color.

2425—Balcony Blue—Velvety indigo blue.

2426—Balcony Crimson—Rich velvety crimson.

2427—Balcony Rose—Brilliant rose-pink; very effective.

2428—Balcony Red.

2429—Balcony White—The pure white form.

2433—Balcony Mixed—All colors.

Choice of the above, per pkt. 10c

**PORTLAND PETUNIAS**

2439—Pride of Portland—Deep rose fringed.

2443—Scarlet Beauty—Scarlet fringed.

2447—Elk's Pride—Plain, edged black-purple.

2450—White Beauty—Fringed, pure white.

2455—Mixed.

Choice of above, per pkt. 25c

**NEW AMERICAN PETUNIA**

Ruffled Nana Compacta

**2460—Martha Washington**

The plants are about 9 inches tall in a perfect ball effect, actually covered with delicately ruffled medium sized flowers of bluish pink at edges, deepening to dark violet in the throat with heavy veining. Excellent as bedding, border, window box or pot plant. Pkt. 25c.

**DOUBLE PETUNIAS**

Our Double Petunias are selected with the greatest of care and contain the largest percentage of double flowers possible.

2420—Giant Double Fringed Mixed—Pkt. 25c.

**PHACELIA**

2465—Campanularia—8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers. Pkt. 15c.

**PHLOX****Nana Compacta Dwarf**

These are much superior to the other Phlox for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. 8 in.

2470—Sky-Blue with White Eye.

2472—Fireball—Blood-red.

2474—Isabellina—Yellow.

2476—Mirabilis—Salmon-rose with white eye.

2478—Snowball—Pure white.

2480—Violet.

Price, each of the above, pkt. 15c.

2482—Nana Compacta—Mixed, all colors. Pkt. 10c.

**PHLOX DRUMMONDI**

It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks they are a sheet of bloom, remaining so until frost.

2485—Crimson.

2487—Dark Blue—True blue.

2490—Isabellina—Yellow.

2494—Rose—Pink.

2497—Violet—With white eye.

2499—White.

Any of the above, pkt. 10c.

2501—Finest Mixed—It is composed of the finest and most distinct varieties and will give a most varied assortment of brilliant colors. Pkt. 10c.

2505—Gigantea Art Shades—A most wonderful range of soft colors blended together making a most beautiful mixture and color combination never before seen in Annual Phlox. Pkt. 15c.

**\*PHLOX (Hardy)**

2510—(Decussata.)—Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt. 10c.

**\*PHYSALIS**

2515—Franchetti (Chinese Lantern Plant)—1½ ft. Flowers yellow with dark center. Produces balloon-like husks, which turn bright red when ripe and resemble Chinese lanterns. Pkt. 10c.

Please Order Flower Seeds By Number.



**DIANTHUS OR PINKS**

Sweetly fragrant single and double Carnation-like flowers of the most brilliant coloring, varying from pure white to the richest crimson, with many beautifully laced and striped. Largely used for borders, massing in beds and for cutting. Sow in boxes or where plants are to remain, in fall or early spring. Height 12 inches.

2525—Heddewig's Double Mixed—Very large double flowers of a wide range of color. Pkt. 10c.

2533—Double Japan Mixed—The flowers are rich in hue; very double, deep fringed petals. Pkt. 10c.

2539—All varieties mixed—Pkt. 10c.

**\*PINKS (Hardy)**

2552—Deltoides (Maiden Pink)—6 in. Beautiful little plant with narrow leaves, with a profusion of small flowers during July and August. Per pkt. 10c.

**\*HARDY PERENNIALS or CLOVE PINKS**

2555—Hardy Perennials, or Clove Pinks (Plumarius)—Scotch or Grass Pink. When treated like an annual, if seed is sown in March, the plants will bloom the first year. The delicately fringed, variously colored flowers are fragrant, attractive and fine for bouquets. Pkt. 10c

**2560—DIANTHUS SWEET WIVELSFIELD**

This remarkable new hybrid is quite distinct from the annual Sweet William. It has a great variety of color, and a long blooming season. Magnificent bedding subject. Pkt. 10c.

**\*POPPIES PERENNIAL VARIETIES**

Perennial poppies do best in rows one and one-half feet apart and one foot apart in the row. Seed may be sown outdoors either in spring or fall.

We do not furnish seed of the opium poppy.

2570—Oriental Scarlet—Pkt. 10c.

2573—Orientale Hybrids Mixed—A choice mixture of Oriental Poppies in shades of white, salmon, orange, scarlet and crimson. Per pkt. 10c.

**NUDICAULE (Iceland Poppy)**

The bright colored flowers are borne on stems which rise to a foot above a tuft of fern-like leaves. If faded flowers are picked off they blossom all summer. 12 inches.

2578—Empress—18-22 in. A companion to Emperor, even more nearly double, with unique color range of salmon rose and pink tones. Pkt. 15c.

2580—Emperor—18-22 in. Finest giant orange variety, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt. 15c

**2581—AMURENSE YELLOW WONDER**

Exquisite, large rich yellow flowers suffused orange. The petals are charmingly crinkled. Pkt. 20c.

2595—Mixed—Pkt. 10c.

**SHIRLEY DOUBLE ANNUAL POPPIES**

2600—Eldorado Mixed—The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. Pkt. 10c

2604—Flanders Poppy (Single)—Vivid scarlet-red. Pkt. 10c

**POPPIES—SHIRLEY**

Shirley Poppies—Silk or Ghost; have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

2640—American Legion—Brilliant orange scarlet. Pkt. 10c

2642—Blue Shirley—Various shades of blue. Pkt. 10c

2644—Rose Shirley—Shades of rose and pink. Pkt. 10c

2646—White Shirley—Pure white. Pkt. 10c.

2648—Shirley Mixed—Beautiful flowers in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Pkt. 10c

**PORTULACA—Rose Moss**

Will grow and bloom abundantly all summer in a dry, hot location, where most other plants will soon die. The flowers are of the richest colors and make a beautiful border. Sow in open ground when danger from frost is past. Cover the seeds to a depth of four times their size and press the surface firmly with a board.

2660—Single—Mixed colors. Pkt. 10c.

2665—Double—Mixed colors. Pkt. 10c.

2666—Double and Single—Mixed. Pkt. 10c.

**PRIMULA or PRIMROSE**

Few people realize the beauty there is in Primroses in flower gardens. They are about the first flowers that bloom in the spring. Their colors of blue, red and yellow and growing from 8 to 12 inches high are one of the best flowers for Rock Gardens and along shady paths. (Seeds germinate very slowly).

2670—\*Primula Veris Coerulea—Dark blue shades. Pkt. 20c

2672—\*Primula Veris Kleynii—Rich golden yellow shaded apricot, the best yellow on the market. Pkt. 15c.

2674—\*Primula Veris—Red shades. Pkt. 25c.

2679—Primula Butzer's Pride—This strain of extra large flowered varieties, mixed of wonderful colors. We wish to tell you more about these varieties, but the space is limited. Pkt. 25c.

2685—\*Veris Polyanthus Mixed—An extra choice large flowered mixed strain. Pkt. 10c.

—2688—\*Veris Acaulis Mixed—Pkt. 10c.

2691—\*Vulgaris (English Primrose)—Canary yellow, fragrant. Pkt. 15c.

2695 — \*Japonica Mixed — Several superimposed whorls of flowers on stems 8-24 in. high. June. Per Pkt. 15c

**\*PYRETHRUM (Painted Daisy)**

One of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September.

2708—Extra Choice Double Mixed—Pkt. 25c.

2713—Hybridum Double and Single Mixed—Pkt. 10c.

**RHODANTHE (Everlasting)**

A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

2730—Maculata Alba—White. Pkt. 10c.

2732—Maculata Rosea—Rose. Pkt. 10c.

2735—Mixed—Pkt. 10c.

**RICINUS**

Castor Oil Bean (Ricinus)—This has large leaves and a tropical appearance. All it requires to flourish is heat. It is a quick growing annual, 6 to 15 feet tall. Leaves are green or reddish. Commercial castor beans are of a different variety.

2740—Red Spire—The shapely, bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn. Pkt. 10c.

2743—Sanguineus—Tricolor. Has blood-red stalks and green leaves with red veins. Pkt. 10c; oz. 35c.

2746—Zanzibarensis—Mixed—A very large leaved variety, deep green and bronze, growing 10 to 15 ft. high. Pkt. 10c; oz. 35c.

2750—Mixture of all varieties—Pkt. 10c; oz. 35c.

**\*ROMNEYA**

2755—Coulteri (California Tree Poppy)—5 ft. Flowers all summer. Beautiful snowy white fragrant flowers. Pkt. 15c.

**USE NUMBER WHEN ORDERING  
FLOWER SEEDS  
TO AVOID DELAY**

**HAVE YOU ORDERED YOUR  
SWEET PEA COLLECTION?**

*All Mail Orders Given Prompt Attention.*





### SALPIGLOSSIS (Painted Tongue)

These showy, half-hardy annuals bear beautiful funnel-shaped flowers having dark veins in a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost, 2 feet.

- 2760—Brown and Gold. 2773—Scarlet and Gold.  
2764—Crimson. 2776—Yellow.  
2767—Purple and Gold. 2779—White and Gold.  
2770—Rose and Gold.

Price, any of above, pkt. 10c

2785—Extra Fine Mixed—Flowers of many beautiful shades, finely veined or penciled. A choice mixture of large flowering varieties. Pkt. 10c; oz. \$1.00.

### SALVIA

**Salvia or Flowering Sage**—A tender perennial blooming the first season from seed and growing two to three feet high. The blossoms are borne on long stems in racemes or spikes, and are fragrant.

2790—America, or Globe of Fire—This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. Pkt. 20c.

2793—Clara Bedman (Fireball)—The plants form handsome globular bushes about two feet in diameter. The spikes grow upright and stand clear above the foliage, completely enveloping the plant, and are of a most brilliant dazzling scarlet. Pkt. 10c.

2796—Salvia Splendens (Scarlet Sage)—One of the handsomest flowering plants we have for garden decoration. Excellent for filling large beds or borders in the garden; continuously in bloom from early August until the first killing frost. Beautiful scarlet; large flowering. Pkt. 10c.

2799—Zurich—A splendid dwarf variety, growing about 2 feet high, and is especially valuable on account of being the earliest to bloom, flowering ten days in advance of any other sort. Pkt. 10c.

### SCABIOSA (Mourning Bell)

The flower stems are long and the blossoms keep well in water. Soft tones predominate. When given plenty of room and faded flowers are kept picked off, it will last through the whole summer.

- 2815—Black Purple.  
2821—Cherry Red.  
2824—Lavender.  
2827—Rose.  
2830—(Shasta) White.  
2833—Yellow.  
2838—Mixed All Colors.

Each of above, Pkt. 10c

2818—Blue Cockade (New)—Pure, deep azure-blue without any suggestion of rose. So deep in shape as to appear conical. Very long-stemmed and free flowering. Pkt. 15c

### 2819—SCABIOSA BLUE MOON

This new Scabiosa is fully double with pincushion eliminated entirely. Flower 2½ inches across and is of a deep lavender blue, a shade which maintains its effectiveness indoors or out. Upright in growth on heavy wiry stems 36 inches in height. Pkt. 25c.

2840—Rosette—Extra large flowers of a beautiful deep rose suffused with salmon, borne on long, stiff stems. A glowing color, new to the scabiosa family, and a 1937 introduction. Pkt. 15c.

### \*SCABIOSA (Perennial)

Perennial Scabiosas are of great value in the garden. They are in bloom from June to October, require little space and thrive in ordinary soil.

2845—Caucasica New Hybrids—A collection of new shades in this well-known perennial family. Pkt. 20c.

### SCHIZANTHUS

Butterfly or Fringe Flower

#### 2866—GRANDIFLORA BUTTERFLY MIXTURE

containing a full range of all shades and color combinations, is the best all around strain for bedding use. It is a strikingly bright mixture, with large flowers beautifully marked, on compact, free flowering 12 to 15 inch pyramidal plants. Pkt. 15c.

#### 2870—SCHIZANTHUS SUNSET HYBRIDS

Sunset Hybrids is a well-balanced blend consisting of bright red and carmine shades, each butterfly-like flower delicately marked with gold or white. The two foot plants are covered with a mass of flowers, which are excellent for cutting. One of the most easily grown garden annuals. Pkt. 15c.

### SNAPDRAGON NEWEST RUST-PROOF



If you have found snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

**Rust-Proof Maximum**—Giant flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across. These have huge individual flowers and flower spikes.

- 2890—Apple Blossom—Rosy pink, yellow lip.  
2893—Copper King—Velvety copper scarlet.  
2896—Old Gold—Deep golden yellow.  
2899—Purple King—Deep glowing purple.  
2902—Snowflake—Pure white, yellow tube.  
2905—The Rose—Rose pink.  
2910—Finest Mixed.

Per pkt. 15c

#### Semi-Tall Sorts, 18 to 20 Inches

These are recommended for most beds and borders as they require no staking.

2938—Black Prince—Nearly black, small dark leaves. Pkt. 10c.

2970—California Giant Mixture—Rust-Proof—This is the strain of Rust-Proof Snapdragons you have been waiting for. It comprises a fine, full color range of popular colors including exquisite shades of pink, rose apricot, bronze, orange, light and deep yellow, scarlet, crimson and white. While not yet 100% resistant, the percentage is well above 75%. We consider this strain an excellent all around type, equally fine for border, cutting and florist use. Pkt. 20c.

#### 2975—BUTZER'S SPECIAL MIXTURE

Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers suitable for home, church or hospital decoration. Pkt. 10c

**Seeds—The Kind That Grow—You Can't Keep Them in the Ground.**



**\*STATICE (Sea Lavender)**

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter

3005—Sinuata Mixed. Pkt. 10c.

2983—Latifolia—2 ft. Dense branching plumes of blue flowers. Per pkt. 10c.

**STEVIA**

3010—Serrata—2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt. 10c.

**\*STOKESIA (Cornflower Aster)**

3020—Cyanea—This is not new, but is a rare and beautiful hardy perennial. The plant grows about 24 inches high, each bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms; in bloom from July to frost. Mixed. Pkt. 10c.

**STOCKS****Double Early Giant Imperial or Improved Bismarck**

Our strain of this remarkably fine type is very early and will produce a high percentage of exquisite, well-rounded, large double blooms on extra long stems. The well-branched plants grow 2 to 2½ ft. tall. Valuable for garden purposes and greenhouse forcing.

3050 — Antique Copper—Attractive and unusual. Very fashionable art shade.

3053—Buttercup—Deep fine yellow. Excellent mixer—does not clash with other shades.

3056—Chamois Rose—Rose with a distinct golden sheen. Indescribably beautiful.

3059—Elk's Pride—Rich royal purple.

3062—Fiery Blood-Red—Glowing shade.

3065—Flesh—Soft or light pink; delicate.

3068—Lavender—Strikingly beautiful.

3071—Old Rose—Fine deep fascinating color.

3074—Shasta—Enormous spikes of glistening white.

Any of the above separate varieties: Pkt. 15c.

3080—Bismarck Mixed—Pkt. 15c.

**STOCKS**

Giant Perfection "Cut and Come Again" 1½ ft.

Cut-and-Come-Again—Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing till frost, and are especially valuable during September and October, when other flowers are scarce they throw out numerous side branches, all bearing very double, fragrant flowers.

3085—Brilliant—Blood Red.

3088—Creole—Canary Yellow.

3091—Empress Augusta Victoria—Silvery Lilac Flesh.

3094—Heatham Beauty—Rose shaded Terra Cotta.

3103—Rose—Rose Pink.

3106—Sapphire—Violet.

3109—Snowdrift Early—Pure White.

3115—Finest Mixed.

Price, any of the above, Pkt. 10c

**STOCKS****Mammoth Early Branching Nice**

This variety is now recognized as the most valuable of all Stocks for cutting purposes and the most popular for general use.

3120—Abundance—Carmine Rose.

3123—Almond Blossom—White Tinted Carmine.

3126—Beauty of Nice—Delicate Flesh.

3129—Cote D'Azure—Light Blue.

3132—Lloyd George—Blood Red.

3135—Mont Blanc—Pure White.

3138—Queen Alexandra—Rosy Lilac.

3141—Salmon King—Salmon Rose.

3144—Souvenir De Monaco—Crimson.

3147—Summer Night—Dark Blue.

3150—All Colors Mixed.

Price, any of the above, Pkt. 10c

**\*SWEET WILLIAMS**

Dianthus Barbatus—A well-known attractive, free-flowering, hardy perennial, producing a splendid effect in beds and borders, with rich and varied flowers. The demand for separate colors has induced us to offer this season several of the best and most distinct flowers.

3440—Dark Crimson—Pkt. 10c.

3443—Copper Red—A new and rich color. Pkt. 10c.

3446—Diadematus—Crimson, white eye. Pkt. 10c.

3449—Giant White—Pkt. 10c.

3452—Purple Beauty—Bright deep purple. Pkt. 10c.

3455—Pink Beauty (Newport Pink)—Pkt. 10c.

3458—Scarlet Beauty—A charming and distinct color. Pkt. 10c.

3460—Giant-Flowered Single Mixed—Pkt. 10c.

3462—Double Giant-Flowered Mixed—Pkt. 10c.

**30c****BUTZER'S "ROSE CITY" SWEET PEA COLLECTION****30c****THIS COLLECTION CONTAINS ONE EACH OF THE FOLLOWING****RED ROVER**

A very large and long stemmed flower of fine dark crimson bearing 4 or 5 blooms to a stem. A vigorous grower.

**PINKIE**

This Sweet Pea having large rose pink blossoms is a delight to all flower lovers. A new variety that excels any of its kind.

**HIGHLANDER**

This Sweet Pea we class as the best clear lavender on the market today. It is a gigantic blossom, with 5 to a stem.

**MASTERCREAM**

A most appropriate name for this Sweet Pea—"many flowered". Four flowers to a stem is the rule, but 5 or 6 are not uncommon. Color is a deep cream.

**TANGERINE**

This variety is the outstanding one of its class with rich orange flowers of magnificent form and vigorous growers with strong stems.

**SIMPLICITY**

These flowers of rich salmon pink on cream are extra large size, great substance and lasting quality when cut and are of such vigorous growth that the flowers frequently come with double standard.

**GIANT SPENCER LARGE FLOWERS, LONG STEMS AND FREE BLOOMING***For Flowery Borders Use Lobelia and Sweet Alyssum.*



# SWEET PEAS GIANT SPENCER

Too many varieties of Sweet Peas. It has always been a puzzling question to small growers, who, desiring to grow only a limited number of sorts, with as great an assortment as possible, are sometimes rather disappointed because some of the varieties are so nearly alike.

It will be realized that exhibitors and other keen growers are influenced by delicate shadings of color, by difference in form, by the way the blooms are placed on the stem, and so forth. We, therefore, keep a sufficiently wide range of varieties to suit these tastes, although, to the casual eye many of them are very much alike. We have made up our list of varieties, which, we believe, will answer all purposes.

**Culture**—Early planting is advised so that they may bloom before very hot weather. Dig the soil deeply to allow deep rooting. Open a trench four to six inches deep, in which plant the seeds early in February and cover with an inch of soil and press it firmly. When up about two inches begin cultivating and gradually fill the trench until it is level. Do not allow the roots to become too dry; water at least twice a week. Be sure to gather the blooms, otherwise the vines will stop flowering.

**Fall Planting**—Sweet peas may also be started in October, November and December, planting four to six inches deep; give them slight protection and they will become well rooted and grow off at the first opening of spring and produce an abundance of blooms earlier and for a longer season than spring plantings.

Gather sweet pea blooms frequently; the more you cut them the better and longer they bloom.

Named Varieties—Pkt. 10c; 3 pkts. your selection for 25c; oz. 25c; ¼ lb. 75c, postpaid.

## SWEET PEAS

### 3405—Cupid, Dwarf or Bedding

These form a line of emerald-green foliage a little over a foot wide and 6 inches high, and from June until late summer are literally a sheet of bloom; the mixture contains all the colors.

Mixed—Pkt. 10c

### 3200—SHIRLEY TEMPLE

This sweet pea which we consider the most beautiful one that has ever been originated, was obtained through a cross between Pinkie and Lady Gay. The color is softer and more beautiful than Pinkie. Pkt. 10c.

## RUFFLED SWEET PEAS

3206—Ruffled Beauty—Cream-pink with a sheen of bright lilac.

3209—Ruffled Carmine—Lovely carmine-rose, remarkably bright.

3212—Lady Ruffles—Soft pink self on white ground.

3215 Ruffled Orchid—Warm lavender-rose with a pastel-mauve sheen.

3218—Ruffled Primrose—The best primrose or cream.

3221—Ruffled Sparkle—Pure shade of cerise that glows softly.

3224—Ruffled White—Pure white flowers of gigantic size.

### 3227—GIANT RUFFLED MIXED COLORS

A mixture made up of the 8 named Ruffled Sweet Peas as well as other colors of which we do not have, as yet, sufficient stock to offer separately.

Pkt. 10c; oz. 25c; 4 ozs. 75c

## 3400—BUTZER'S SUPERB SPENCER MIXTURE

### All Waved or Spencer Varieties MIXTURES OF SWEET PEAS

Most people obtain more satisfaction from planting Sweet Peas in mixture than from growing named sorts, but to be successful it is necessary that the seed be of the best quality obtainable. Often what is offered as mixed seed is stock harvested from plants that have come up as volunteers on ground where Sweet Peas have been grown before, or a lot of seed which has been grown, saved or handled so carelessly that it cannot be sold as any distinct variety. The use of such seeds will not give satisfactory results. We assure our customers the Mixtures of Sweet Peas which we offer are the results of as great care in selecting as any stocks we grow and as fine flowers are obtained from them as from any seed that can be bought. Price per pkt. 5c; oz. 15c; 2 oz. 25c; 4 oz. 50c, postpaid.



A special garden size for peas, beans and sweet peas will insure you large, luscious peas and beans, and abundant sweet pea blossoms for gorgeous coloring. Price 10c

## BLUE

3314—Mrs. Tom Jones—Bright Delphinium-blue.

3332—Reflection—Clear Cornflower-blue. Beautiful.

## CREAM

3262—Mastercream—Rich deep cream.

3263—Daffodil Improved—Deep cream.

3356—What Joy—Rich, deep primrose-yellow.

## CRIMSON SCARLET

3251—Campfire—Vivid scarlet.

3256—Captain Blood—Intense brilliant blood scarlet.

3260—Crimson King—True crimson; very good.

3265—Jubilee—Scarlet-cerise.

3266—Fiery Cross—Scarlet-cerise.

3272—Flamingo—Bright orange-scarlet.

3302—Huntsman—Strikingly bright scarlet.

3329—Red Boy—Rich bright deep crimson.

3338—Royal Scot—Scarlet-cerise with orange sheen.

3341—Sonny Boy—Brilliant vermilion-red blooms.

## LAVENDER

3232—Powercourt—Extra large lavender.

3233—Ambition—A beautiful lavender-lilac.

3236—Austin Frederick—Bright rosy lavender.

3254—Chieftain—Pure satiny mauve.

3294—Highlander—Clear lavender.

## MAROON

3320—Olympia—Deep rich purple.

3353—Warrior—The popular chocolate-maroon.

## ORANGE

3257—Colorado—A bright rich golden orange.

3284—Goldfinch—A charming blending of gold and rich pink. Quite distinct.

3350—Tangerine Improved—Tangerine-orange.

## PINK — ROSE

3239—Barbara—Glistering pure salmon.

3275—Fluffy Ruffles Improved—Dainty cream-pink.

3281—Gold Crest—A light orange tint with a rich luminous salmon cast.

3287—Good Cheer—Deep Begonia rose.

3299—Hercules—A very rich deep pink.

3305—Magnet—Clear cream-pink.

3308—Mary Pickford—Cream-pink suffused salmon.

3311—Miss California—Cream-pink; salmon hue.

3326—Pinkie—Clear deep rose-pink.

3335—Rosie—Rose pink, deeper than any of the standard rose-pink varieties.

3241—Simplicity—Clear deep rich salmon-pink.

## WHITE

3277—Gigantic—Extra large pure white.

3278—Giant White—Pure white; black-seeded.

3317—Model—A popular black-seeded white tinged bluish.

AN OUNCE WILL PLANT 25 FEET OF ROW

Named Varieties Sweet Peas—Pkt. 10c; 3 pkts. your selection for 25c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

*Hardy Annuals Should Be Sown in the Open Garden During April and May.*



# National EEzy Wear Garden Gloves

ALL LEATHER—SOFT AS KID  
Durable—Washable

Four sizes: "SMALL" and "MEDIUM" for Women, "MEDIUM" and "LARGE" size for Men. Price, 75c a pair—2 pairs for \$1.40.

## THALICTRUM (Meadow Rue)

The foliage is very finely divided like that of the Maiden-hair fern or Columbina and is useful in making bouquets. The flowers are borne in feathery clusters. Easy of cultivation. Belong to the Buttercup order.

3470—*Dipterocarpum*—4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy purple flowers with conspicuous yellow anthers. Per pkt. 15c.

## THUNBERGIA

3475—Black Eyed Susan—Beautiful rapid-growing climbers, fine for vases, rustic work or greenhouse culture. Half-hardy annuals; five feet. Fine mixed. Per pkt. 10c

## TITHONIA

3480—*Speciosa* Mexican Sunflower—The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs. Pkt. 15c.

## TORENIA

3485—*Fournieri*—10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue. With a touch of gold on the lip. In the south where it is seemingly difficult to have success with pansies these may be grown instead. Pkt. 15c.



## VENIDIUM

(Monarch of the Veldt)

3510—*Fastuosum*—Large, brilliant orange flowers, 3 in. across, with a black-purple zone at the base of the ray-petals and a dark center with a gray-green, wool-like tuft. The plants grow 2 to 3 feet tall and bloom from midsummer until frost.

Pkt. 10c

3515—*Fastuosum* Hybrids—2-3 ft. A new race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers. Pkt. 15c.

## VERBENAS

Verbenas are free flowering annuals of low spreading growth. If the flowers are kept cut, the plants will bloom much more freely. Plants grown from seed are not only cheaper than those grown from cuttings, but are more vigorous.

**Mammoth Strain**—This is without doubt the finest strain in existence.

3520—Blue Shades.

3524—Helen Willmott—Salmon-rose, white eye.

3527—Purple Shades—Dark purple.

3530—Lucifer—Vivid scarlet-self.

3533—*Gigantea Alba*—Pure white. Very fragrant. Above, each, pkt. 10c

3538—*Mammoth* Mixed—Producing in handsome umbels flowers of large size of white, rose, scarlet, blue, purple. Pkt. 10c.

USE NUMBER WHEN ORDERING  
FLOWER SEEDS  
TO AVOID DELAY



## 3543—VERBENA ROYAL BOUQUET MIXED

As the name suggests, this type is excellent for cutting. The plants are definitely upright in habit, several 10 to 12-inch stalks to a plant, each bearing full clusters of the large starry eyed flowers at the tip. The colors comprise a full range of the brighter shades. Pkt. 10c.

## VERBENA

3548—Beauty of Oxford Hybrids—Many shades ranging from rose-pink to rose-red. Large blooms in elegant round trusses. Exceedingly showy. Pkt. 10c

## 3552—VERBENA HYBRIDA COMPACTA TYPE (Edging Verbenas)

These are distinct from all other types of Verbena, very compact, dwarf, and free flowering. The color range is very wide, in bright shades. They are excellent for the annual rock garden. Mixed, pkt. 10c.

## \*VIOLA CORNUTA

(Tufted Pansy)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansy. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season.

3560—Apricot—A beautiful rich apricot shade, tinted orange toward the center. Pkt. 25c.

3564—Arkwright Ruby—Bright ruby crimson shaded terra cotta with central markings; fragrant. Pkt. 25c

3568—Ilona—Wine red. Pkt. 25c.

3572—Lutea Splendens—Chrome yellow. Pkt. 10c.

3574—W. H. Woodgate—Color is of intense blue, bluest of all. Pkt. 25c.

3576—Blue Perfection—Deep bright blue. Pkt. 15c.

3580—Jersey Gem—Forms a large, compact plant, producing a continuous profusion of bloom for a very long period. The flowers are a very pleasing shade of deep violet-blue. Pkt. 15c.

3583—Purple—Pkt. 15c.

3584—White Perfection—Large pure white. Pkt. 15c

3585—Cornuta, Mixed Colors—Colorful blend of the above and others. Pkt. 15c.

## 3587—\*VIOLET (Viola Odorata)

(Sweet Violet)

No garden is complete without a nice bed of violets. They bloom ahead of other flowers, and their fragrance is delightful. They will thrive in shady places and therefore can be planted where other plants will not do well. A violet bed around the foot of a big shade tree is very attractive. Provide good rich soil and after you once get a bed established you can get any number of plants by dividing the roots. Hardy perennial. Pkt. 10c

## VIRGINIAN STOCK

French Forget-me-nots are fast growing. They are in flower with such early blossoming varieties as alyssum, pansies, violas, and linarias. As they come before the nemesis, they could very well be used in the space to be filled later on by them.

3590—Mixed Colors—Pkt. 10c.

Our Mail-Order Trade, growing steadily from year to year, is one result of your confidence in us and our confidence in you. No business can be truly successful unless the transactions are mutually profitable. Each season we strive to render better service.

Plant All Perennial Flower Seeds in August and September for Spring Blooming.



**WALLFLOWER**

Very highly prized, old-fashioned plants grown largely for their fragrance; half-hardy perennial varieties; 1½ feet.

3623—\*Single Finest Mixed—Pkt. 10c.

3629—\*Double Tall Branching, Finest Mixed—Frangrant, 3 feet. Pkt. 10c.

**3635—WILD CUCUMBER**

The quickest growing climber on our list, attaining a length of 30 feet in one season. It is thickly dotted with pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. It will quickly cover an old tree or an unsightly building.

Per pkt. 10c

**"WILD" FLOWER GARDEN**

To those who cannot bestow the necessary care required in a neatly laid out flower garden the "Wild" Flower Garden presents a substitute which for its usual varied effect, for cheapness and small amount of labor necessary for its construction, has no rival.

3637—"Wild Flower Garden Seeds" are a mixture of over 100 varieties of hardy flower seeds.

Per pkt. 10c

**3642—ZINNIA FANTASY ("Star Dust")**

2½-3 ft. This deep golden-yellow selection of the Fantasy strain will be welcome to those who believe that yellow is the best zinnia color. Fantasy type flowers have shaggy, ray-like petals. Pkt. 15c.

**3645—ZINNIA FANTASY MIXED**

This new Fantasy Mixture meets the demand in all details: the rounded flowers are composed of a mass of shaggy ray-like petals which give a delicate and refined appearance. The color range includes the brightest shades of reds and orange, as well as the popular pastel pinks and cream. Pkt. 15c.

**3650—ZINNIA DESERT GOLD**

We are happy now to offer these shades as Desert Gold, a variety containing the light and deep hues of gold, each petal overlaid at the base with a deeper golden



yellow, giving a charming bicolor combination. Those who appreciate the finest in zinnias will welcome Desert Gold. Pkt. 15c.

**3655—ZINNIA Scabiosa Flowered**

A new zinnia much resembling the scabiosa. Flowers are 2 to 3 inches across, in many desirable colors and with stems suitable for bowl arrangement and small bouquets. A few

off type may be expected. Mixed colors. Pkt. 15c.

**WILDFIRE**

3644—Fantasy Type—It is one of the most interesting of the new Zinnias Wildfire, a rich dazzling scarlet, adds a distinct note of color and cheerfulness to the garden; free blooming; 2½ to 3 feet in height, coming in flower 45 to 50 days after the seed is sown.

Pkt. 25c

**3656—ZINNIA CROWN OF GOLD**

Super Pastel Tints—This is a new collection of pastel shades. Flowers are large and showy, 5 to 5½ inches in diameter. Colors are strictly a mixture of pastel tints. It contains a wide range of pastel shades, including soft yellow, old gold, light pink, apricot pink, various shades of salmon, peach and buff, lively cerise salmon, as well as pure white and cream. All of the flowers carry the characteristic Crown o' Gold markings. This Zinnia grows 3 feet tall, coming in bloom approximately 65 to 70 days after seed has been sown.

Pkt. 25c

**ZINNIAS****Dahlia Flowered**

This wonderful flower creates a sensation wherever it is grown and it has probably gained popularity more quickly than any other improved garden flower offered in recent years. The large size, fullness of petals, extraordinary color range, and good keeping qualities have all contributed to its popularity. The flowers resemble in appearance the Decorative Dahlia and is called the Dahlia Flowered Zinnia for this reason. When



in full bloom they often measure five to six inches in diameter.

3660—Canary Bird—A delicate shade of primrose—very large and holds its color well until out of bloom.

Per pkt. 10c

3662—Crimson Monarch—By far the largest and best of the red shades. Flowers often 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Per pkt. 10c.

3665—Dream—A fine deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias. Per pkt. 10c.

3668—Eldorado—Beautiful shade of salmon apricot. 3670—Exquisite—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. (Tyrian Rose.) Pkt. 10c.

3672—Golden Dawn (New)—A beautiful golden yellow of immense size and good form. Very attractive. Pkt. 10c.

3674—Golden State—A very rich orange yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom. Per pkt. 10c.

3676—Illumination—Similar to Exquisite, but a striking self color of deep rose. Per pkt. 10c.

3680—Meteor — A rich, glowing red (Spinel Red), and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Per pkt. 10c.

3682—Oriole—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Pkt. 10c.

3684—Old Rose—This is adequately described by its name, as it is of the real Old Rose Shade; it is large, and for charm and beauty we consider it ranks next to Exquisite. Per pkt. 10c.

3686—Polar Bear—A very large pure white, the best white yet seen in Zinnias. Per pkt. 10c.

3688—Purple Prince—A fine, deep purple (Rhodanthe Purple) large and well-formed. Pkt. 10c.

3690—Scarlet Flame—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor. Per pkt. 10c.

3694—Will Rogers—A large bright red flower. A Zinnia of long lasting quality and beauty, that stands out among the Zinnias as the memory of Will Rogers will last and as he stood out amongst his fellow men.

Per pkt. 15c

3700—Butzer's Special Mixture—A well blended mixture, containing all the above novelties.

Per pkt. 10c

**3850—ZINNIA LILLIPUT TOM THUMB MIXTURE**

Tom Thumb is without exception the very dwarfest zinnia known. The plants are rounded and compact, 4 to 6 inches high, literally covered with well formed flowers of lilliput type. The color mixture includes red, orange, yellow, pink, rose and other pastel shades. It is a fine border plant, especially for the hot dry sections of the country, and is the best zinnia to use in pots or window boxes. Pkt. 10c.





**ZINNIAS—GIANTS OF CALIFORNIA**

The great advantage of this type is that the very large flowers are of enormous size and flat, getting away from the conical type of the Giants and eliminating the stiffness that has been so objectionable in Zinnias in the past.

- 3725—*Cerise Queen*—Beautiful cerise rose.
- 3728—*Enchantress*—Color same as *Exquisite* in *Dahlia Flowered* type.
- 3731—*Miss Wilmott*—Soft pink.
- 3734—*Orange King*—Cadmium or burnt orange.
- 3737—*Orange Queen*—Golden yellow.
- 3740—*Purity*—White.
- 3743—*Rose Queen*—Striking bright rose.
- 3746—*Scarlet Gem*—Glowing scarlet.
- 3749—*Violet Queen*—*Exquisite* deep purple.
- 3760—*Finest Mixed*.

Price, any of the above, pkt. 10c

**DWARF DOUBLE ZINNIAS**

Large Flowering

**THE BEST BEDDING VARIETY**

This we consider the best Zinnia for bedding, forming bushy compact plants not over 2 feet high, bearing large perfect flowers.

- 3825—*Bright Scarlet*, very rich.
- 3828—*Canary*, clear yellow.
- 3831—*Salmon Rose*, a pleasing shade.
- 3834—*Snowball*, pure white.
- 3840—*Mixed*, all colors.

Price, any of the above, 10 cents per pkt.

**ZINNIAS  
POMPON OR LILIPUT  
DOUBLE ZINNIAS**

12 to 15 in.

The plants form handsome little bushes and fairly bristly with tiny-short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

- 3770—*Canary Gem*.
- 3772—*Crimson Gem*.
- 3774—*Golden Gem*.
- 3776—*Orange Gem*.
- 3778—*Purple Gem*.
- 3780—*Salmon Rose Gem*.
- 3782—*Scarlet Gem*.
- 3784—*White Gem*.
- 3790—*Liliput Mixed*, all colors.

Each of the above, pkt. 10c

**GRACILLIMA (True Red Riding Hood)**

3815—*Red Riding-Hood*—1 ft. Of compact form covered the entire season with double scarlet flowers not over an inch across. Pkt. 10c.

**CUPID ZINNIAS**

These are the smallest representatives of the Zinnias. The plants grow but 1 ft. tall and, when in full bloom, are literally covered with small, colorful blooms, 1 in. across. Excellent for edging.

3809—*Finest Mixed*—Pkt. 10c.

**GENERAL CULTURAL DIRECTIONS FOR FLOWERS**

If you are in the habit of buying your plants ready grown, you have no idea of the thrill you are missing by not growing your own from seed. In addition to the pleasure of raising your own plants, it will enable you to have newer and rarer varieties in your garden, plants of which are often difficult and expensive to obtain. By following the few simple directions given below you will be surprised to find how easily most plants can be raised from seed.

**ANNUALS**—Bloom the first year from seed and the plant dies after one season.

**PERENNIALS**—Bloom the second year from seed and the plant blooms during successive years. If sown early in the spring many will bloom the first year.

**SOWING SEEDS IN THE OPEN GROUND**

Irrigate thoroughly, and after a few days spade, pulverize and rake level.

Open a shallow furrow, sow the seeds, cover immediately and firm the soil to the seeds with the back of the rake. Level the surface by raking, leaving a loose mulch on top. Avoid sprinkling, for this would form a crust, which would exclude the air and make it difficult for the tiny plants to break through the surface. The thorough irrigation before spading should provide plentiful moisture to germinate the seeds without additional water being applied. If sowings are made when the weather is very warm it is a good plan to cover the rows with strips of burlap until the seeds sprout. After the plants are up, they may be sprinkled or irrigated, following each irrigation with surface cultivation to break the crust that may form.

When the plants are sufficiently developed, thin to a distance between plants that will give room for those remaining to develop well. The thinning process may continue for some time, removing each alternate plant at frequent intervals. Those plants removed from the row may be transplanted to other parts of the garden, if desired, or delight the heart of a neighbor or friend. In removing the plants, take sufficient soil with each one so as to disturb roots as little as possible.

**SOWING SEEDS IN FLATS**

It is usually better to start small seeds in shallow boxes or flats. A flat is a box about 20 inches square and about 3 inches deep. Fill the flat to the top with a mixture composed of two-thirds peat moss, thoroughly moistened, to one-third coarse sand. Firm the soil in the flat with a brick or a block of wood, leaving a smooth surface. Broadcast the seeds on the surface, pressing them lightly into the soil, and cover them with sand only. They should be covered to a depth of about two and a half to three times the breadth of the seed itself. Fold a burlap sack to fit on top of the soil after the seeds are sown and covered. The purpose of the burlap is to hold the soil and seed in place, to prevent washing and to retain the moisture.

Place the flat in the shade during the summer months and in the sun during the winter months. Lift the burlap occasionally to see if the seeds are germinated and then at the first sign of germination, remove the burlap, then sprinkle lightly, keeping the soil thoroughly moist until all of the seeds have germinated.

The young plants require sunshine, therefore the flat should be placed in the sunlight after all the seeds have germinated. When the plants have acquired a second or third set of leaves, or when they have grown sufficiently large for transplanting, they may be removed to the open ground. They should not be left in the flats for too long a time as younger plants are more successfully transplanted than those that have grown too tall and woody.

*Buy the Seeds and Raise Your Own Plants.*



Butzer's List of  
Select Strains of

# VEGETABLE SEEDS

## ASPARAGUS

Every home garden should have a bed about ten by twenty feet, planting about one hundred roots. This would furnish enough tips from day to day to supply the family table.

Set the rows two feet apart instead of four as for field culture, and one foot apart in the row.

Drill the seed thinly in rows fifteen inches apart during March or April.

Transplant during February, setting the roots two feet apart, in furrows six feet apart. Carefully spread out to avoid matting. The furrows should be ten or twelve inches deep and run North and South in order to get the sun on both sides of the rows. Cover the roots about three inches and as the plant grows throw the soil toward the plant. Each year when the berries are red, cut the plants close to the ground and burn, then spray the entire field with sulphur, in order to destroy any germs of mildew. Keep a mulch over the row with a harrow, but cultivate more deeply between the rows. Use stable manure liberally and hill up a little higher each year.

**Pedigreed Washington**—The tips are tight and firm and do not open out or begin to branch until well out of the ground, making the finest kind of green Asparagus both for home and market. Pkt. 5c; ½ oz. 10c; oz. 15c; ¼ lb. 35c.

**Prices of Asparagus Roots**—2-year roots, by mail postpaid, 50, \$1.35; 100, \$2.25. By express, 50, \$1.25; 100, \$2.00.

## BEANS—Culture

No crop responds more readily to good soil and cultivation than beans. A light, rich, well-drained loam which was manured for the previous crop is desirable. If too rank manure is used it is apt to make the plant run too much to vine. Beans are extremely sensitive to both cold and wet, and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches apart in the row. Up to the time of blossoming they should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. The cultivation of beans should always be very shallow and it is useless to expect a crop from a field so poorly prepared.

## BURPEE'S STRINGLESS GREEN POD

The Best Green Potted Bush Bean for the Northwest, should be in every garden

This famous bean is absolutely unequalled! It combines unusual hardiness, extreme earliness, and wonderful productiveness with pods of handsome appearance and finest quality. Extra early plantings may be made to produce the earliest crop, and even with later plantings Burpee's "Stringless" is always the quickest to produce pods. By repeated plantings pods may be had in constant succession from Spring until cut off by heavy frosts in the Fall. Combined with the extra hardiness and early maturity, the pods are the finest in quality, of a rich green, very round and straight, five inches long, solidly meaty and broad—deeply saddle-backed, caused by the rounded swell of the fleshy sides. The pods are tender, brittle, and of finest flavor, always entirely stringless, even when fully matured. Per pkt. 10c; ½ lb. 20c; lb. 30c; 5 lbs. \$1.25, postpaid.

## FULL MEASURE

A splendid early bean, which has gained much prominence. Is entirely stringless. It is sometimes called the Dwarf Kentucky Wonder on account of the similarity of pods. Pkt. 10c; ½ lb. 20c; lb. 30c, postpaid.

## EARLY STRINGLESS REFUGEE

An improved stringless strain. Very hardy and extremely productive. Pods round and straight, tender, brittle, absolutely stringless and of finest quality; medium early. Per pkt. 10c; ½ lb. 20c; lb. 30c, postpaid.

## LIMA BEANS

Limas should be planted a little later than the ordinary running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and then thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space.

**Fordhook Bush**—The highest quality bush variety. It grows erect, and its large pods contain 4 to 5 large, thick, beautiful green beans. For heaviest yield give each plant at least 10 inches in the row. Pkt. 10c; ½ lb. 20c; lb. 30c.

**Henderson's Bush**—An early and prolific bearer of small beans. Thrives in ordinary soil and is an excellent variety for home gardeners who have difficulty growing the larger limas. Crop reliable, very productive.

Pkt. 10c; ½ lb. 20c; lb. 30c

**Burpee's Improved Bush**—76 days. This has larger pods and beans than the original. The vines are heavier and produce larger pods.

Pkt. 10c; ½ lb. 20c; lb. 30c

**Oregon Pole Lima**—Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow. Pkt. 10c; ½ lb. 20c; lb. 30c.

**Scarlet Runner**—Are of strong quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened, the dry beans are of bright scarlet, heavily blotched with purple. Pkt. 10c; lb. 30c, postpaid.



# BEANS—Pole or Running

## THEY YIELD HEAVILY

Pole varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

**Kentucky Wonder or Old Homestead**—65 days. Green pod. The most widely planted pole variety. The pods are fleshy, saddle-backed, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt. 10c; ½ lb. 20c; lb. 30c; 5 lbs. \$1.25.

**Burger's Stringless Green Pod**—63 days. (White Seeded Kentucky Wonder.) Can be picked until frost. Pkt. 10c; ½ lb. 20c; lb. 30c; 5 lbs. \$1.25.

**White Creaseback or Blue Lake**—A popular early green podded pole bean for snap-shorts; of rapid growth and very productive; Pods grow in clusters and are from five to six inches in length, perfectly round, being deeply creased or "saddle-backed." They are solidly fleshy, entirely stringless. Pkt. 10c; ½ lb. 20c; lb. 30c; 5 lbs. \$1.25.

## A Great Pole Bean—OREGON GIANT

If you have not grown this bean, by all means do so this season. It is a quick grower, quite early and produces the **MOST WONDERFUL LONG PLUMP, MEATY PODS** that are **TENDER, BRITTLE** and of **DELICIOUS MILD FLAVOR** when cooked.

The mammoth 10 to 12-inch pods of **OREGON GIANT** picked in their prime are **ENTIRELY STRINGLESS**. The **QUALITY IS SUPERB**. The pale green pods are lightly penciled with carmine which disappears when cooked.

Pkt. 15c; ½ lb. 25c; lb. 40c, postpaid

**China Yard-Long (Pole Beans)**—Brown seed, an attractive and curious variety. The pods often grow to be nearly a yard long. The whole pod and beans are crisp, tender and with a delicious asparagus flavor, rivaling almost any of the little podded beans when cooked. Pkt. 10c.

**Horticultural, Cranberry or Wren's Egg**—A popular old variety for either snapshorts or dry shell beans, especially adapted for short seasons and cool locations.

Per pkt. 10c; lb. 30c, postpaid

## BUSH, WAX POD

**Brittle Wax**—Matures in about 52 days. The plant is erect, of medium size, and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt. 10c; ½ lb. 20c; lb. 30c.

**Improved Golden Wax**—50 days. A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden.

Pkt. 10c; ½ lb. 20c; lb. 30c

**Pencil Pod Black Wax**—52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt. 10c; ½ lb. 20c; lb. 30c.

**Kentucky Wonder Wax**—65 days. The best pole wax bean for northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden yellow, and fleshy; make delicious eating. Pkt. 10c; ½ lb. 20c; lb. 30c.

## DWARF HORTICULTURAL

One of the best dwarf sorts for green shell beans for the home garden and market and can be used early as a green podded snap bean. The plants are very productive, compact and upright, with large leaves. The mature pods are about five to five and one-half inches in length, broad and thick curved, with splashes of bright red on yellowish ground. They become fit for use as green shelled beans early and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality. Seed large, oval, plump, pale buff, splashed with deep red.

Pkt. 10c; ½ lb. 20c; lb. 30c, postpaid

## ENGLISH or BROAD WINDSOR, or FAVA BEANS

In the Willamette Valley these should be planted in the fall, November and December preferably, although they can also be planted in the early spring with good success, when the season is favorable. When sown in drills, plant so that seeds are six to nine inches apart, covering three or four inches deep, and in rows thirty to thirty-six inches apart. Pkt. 10c; ½ lb. 15c; lb. 25c; 5 lbs. \$1.00, postpaid.

**Castor Bean**—Used for medicinal purposes and by some claimed to keep moles away. Pkt. 10c, postpaid



A special garden size for peas, beans and sweet peas will insure you large, luscious peas and beans, and abundant sweet pea blossoms and gorgeous coloring. Pkt. 10c, treats 4 lbs. of seeds.



## IF YOU WISH TO HELP A GARDENING FRIEND RECOMMEND OUR SEEDS

KENTUCKY WONDER

*Our Vegetable Seeds are of the purest and best stocks obtainable.*



## GARDEN BEETS

**Culture**—The best results are obtained on a deep rich sandy loam. For general crop, sow in freshly prepared soil as soon as the ground will permit, in rows eighteen inches apart covering about an inch deep and pressing the soil firmly over the seed. When the plants are well established thin out to four inches apart in the row. For winter use the turnip varieties may be sown in June, so as to mature later in the season.



DETROIT DARK RED

**Detroit Dark Red**—Splendid for market or home garden and popular with canneries. Roots nearly round, very uniform and of medium size; flesh tender and blood red. We carry an extra select strain. The best canning beet. The outstanding beet for high quality. Pkt. 10c; oz. 25c; ¼ lb. 70c.

**Extra Early Egyptian**—This strain has had our personal selection and produces extra early beets with small leaves and small tap roots. The roots are of rather flattened shape and the flesh is dark blood red and of finest quality. Pkt. 10c; oz. 25c; ¼ lb. 70c.

**Early Wonder**—This variety is a selection of Crosby Egyptian. It is a little earlier and is so uniform in growth that the crop can be harvested practically at one time. Pkt. 10c; oz. 25c; ¼ lb. 70c.

**Crosby's Egyptian**—One of the earliest, with flat dark red roots. Flesh purplish red with lighter zones. Pkt. 10c; oz. 25c; ¼ lb. 70c.

### SWISS CHARD or "SPINACH BEETS"

**Lucullus**—Grows about two and a half feet high. The heavy stalks are over an inch thick and bare for more than a foot of their length. Should be served as you would asparagus. The leaves make the finest "greens." Swiss Chard is hardy, easily grown, and should be in every garden. Pkt. 5c; oz. 20c, postpaid.

**Fordhook Giant**—Larger, darker green and more crinkled leaves than Lucullus. Stalks white. Outstanding for size and quality.

Pkt. 5c; oz. 20c, postpaid

## MANGEL WURZELS or STOCK BEETS

Valuable as stock feed. Plant early in the Spring in rows 2½ feet apart. The seeds should be 1 inch apart in the row and covered by 1½ inches of soil firmly pressed down. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart. All varieties of Mangels:

**Danish Sludstrup**—Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge. Oz. 15c; ¼ lb. 45c; lb. \$1.35.

**Giant Half Sugar**—This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary Mangel.

Oz. 15c; ¼ lb. 45c; lb. \$1.35

**Golden Tankard**—Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground. Flesh yellow with white zones. Oz. 15c; ¼ lb. 45c; lb. \$1.35.

**Mammoth Long Red**—Superior to strains offered as Norbiton Giant, Colossal, Monarch, etc. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground. Light red; flesh white tinged with rose. Oz. 15c; ¼ lb. 45c; lb. \$1.35

## BROCCOLI

Same cultural directions as for cabbage will apply. One pkt. produces about 250 plants; oz., 3000; use 4 ozs. for an acre.

**St. Valentine**—The finest of all Broccoli. Is a sure header of immense size and finest quality, and is ready for market in February. The large, solid, handsome white heads remain in good condition longer than other varieties. Pkt 10c; oz. \$1.25.

**Large White French**—A valuable variety with large, white heads, firm and of good flavor. Pkt. 10c.

## ITALIAN or SPROUTING

Resembles cauliflower except in color. One large head is produced on the main stalk, and after being cut, other smaller heads appear.

**Calabrese**—90 days. Large heads of bright green, tender sprouts, which are cooked like spinach or Brussels Sprouts and have the combined flavor of cauliflower and asparagus. Pkt. 10c.

## Brussels Sprouts

The plants are very hardy and grow from 2 to 3 feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads, which are broken off and cooked the same as cabbage. The sprouts mature in succession. Sow early so as to have well-grown plants by fall. Cultivate the same as for cabbage.

**Burpee's Danish-Prize**—A very fine strain. The plants are of strong robust growth. The stalks are large, thick and close-joined, so that the sprouts set thickly on the stalk. The sprouts develop for nearly the entire height of the stalk about the same time—consequently a very large crop can be gathered. Even the sprouts formed at the base of the stalk are tightly folded: they are quite as fine and solid as those higher up. Pkt. 10c; oz. 75c.

**Long Island Improved**—The finest strain of "Sprouts" grown. We offer the choicest Long Island grown seed. Pkt. 10c; oz. 75c

## CHINESE CABBAGE

Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool moist weather. Will last until freezing weather.

**Wong Bok** produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Pkt. 10c; oz. 50c.

### "PEKING" (Genuine "Pe-Tsai")

We can say without exaggeration that this is the finest Pe-Tsai in existence today. Whether for medium early, main crop or late use, it has no equal, and is so finely bred and so true to type. Pkt. 10c; oz. 50c.



# CABBAGE

**CULTURE**—For plants of early kinds, sow seed in January under glass, and put out into flats about 2 inches apart. Transplant to open ground as early in the spring as the soil can be prepared, setting  $1\frac{1}{2}$  to 2 feet apart, in rows, which should be 3 feet apart. Cultivate frequently, and during dry weather water copiously. Late Cabbage seed should be sown in drills in open ground during April and May, and transplanted in June or July. Fertilize heavily, using 400 pounds Nitrate of Soda per acre in three dressings, one-third when plants are set out, and two-thirds a month apart later.

## EARLY VARIETY

### EARLY JERSEY WAKEFIELD

**Early Jersey Wakefield**—The best first-early oblong-headed cabbage. The heads are uniformly hard and solid. They are pyramidal in form, generally pointed at the end, with but few outside leaves. The outer leaves are unusually thick and heavy, and it is thereby enabled to stand more cold weather without injury when carried through the winter. Pkt. 10c; oz. 50c.

**Extra Early Express**—About ten days earlier than Early Wakefield; heads small, heart-shaped and very solid. Pkt. 10c; oz. 50c.

**Early Flat Dutch**—Earlier and heads somewhat smaller than Late Flat Dutch; a good short stemmed early. Pkt. 10c; oz. 50c.

**Baby Head**—Of unusual merit. The beautiful little round heads are "solid as a rock" and weigh from three to six pounds, just a right size for family use.

Pkt. 10c; oz. 50c

## Copenhagen Market

**Copenhagen Market**—It is undoubtedly without a rival as the finest large round-headed early Cabbage in cultivation. The heads, maturing all at the same time, average about ten pounds each in weight, and are very solid, with small core and of fine quality. The plant is short-stemmed, the heads being produced almost on the ground level. Pkt. 10c; oz. 50c.

## GOLDEN ACRE

**Golden Acre**—It is very uniform, almost every head could be cut at the same time. The head is of medium size, quite round, and is surrounded by a few small outer leaves. It is very firm and fully equal to any of the late sorts in this respect. On account of its hardness it will stand in the field for a month or more without bursting. Pkt. 10c; oz. 50c.

## LATE VARIETY SAVOY CABBAGE or CURLED LEAF

Characterized by dark green, heavily crimped, curled, or savoyed leaves. The flavor is far superior to other sorts, especially after being touched by frost. In demand as a Winter Cabbage.

**Perfection Drumhead Savoy Wirsing**—This is the hardest heading and best all-around Savoy. Plants are of strong growth, having only a moderate amount of outer foliage growing closely about the large solid round heads. Heads beautifully blanched and of the finest flavor. Pkt. 10c; oz. 50c.

## LATE VARIETY RED CABBAGE

**Danish Stonehead or Round Red**—The hardiest and largest heading red cabbage. Round, very solid and of a deep red color. It is the best keeper of any of the Red Cabbages. Most desirable for the housewife in slicing for slaws, salads, etc. Pkt. 10c; oz. 50c.



BALLHEAD

**Danish Ballhead**—Our seed is absolutely unequalled! It is esteemed for winter use because of the great solidity and excellent keeping qualities of the heads. We know that this selected strain surpasses in even growth and heading, as well as in uniform size and solidity of heads, any other stock of "so-called Hollander Cabbage." The magnificent heads are nearly round in form, very hard and solid. Pkt. 10c; oz. 50c

**Danish Roundhead**—Has given such splendid satisfaction to growers for winter market. The heads average larger in size than those of the Ballhead, maturing about two weeks earlier, and are set on shorter stalks. They are extremely hard and solid.

Pkt. 10c; oz. 50c

**Premium Flat Dutch**—An improved strain of the old Large Late Flat Dutch type. Highly esteemed.

Pkt. 10c; oz. 50c

# CAULIFLOWER

**Cultivation**—The main thing in growing good Cauliflowers is to rush them on quickly, and never allow them to be checked in their growth; in dry weather they should be copiously watered, especially if just planted out. Sow in seed beds, and when large enough, transplant in rows two feet apart and eighteen inches between the plants. Hill up between the rows, and keep the ground well cultivated. Summer and autumn are the best seasons to sow. The later varieties are very much the hardiest, and will often make good heads under circumstances which would cause the early varieties to "button." The early sorts mature in three to four months, the later ones five to eight months.

## BURPEE'S BEST-EARLY

The Earliest and Best Quick-Growing Cauliflower—In good soil the heads measure eight to ten inches across; they are of pure snowy white, with very close compact curd of extra fine quality. So extremely solid and deep are the nearly globe-shaped heads that they weigh heavier than other heads of equal size. Market gardeners can plant Burpee's Best-Early Cauliflower for both early and late crops. Pkt. 15c.

**Early Snowball**—This is a popular extra early strain of dwarf compact growth. Under favorable circumstances, nearly every plant will make a fine solid head of good size. It is valuable for both early and late.

Pkt. 15c

**Burpee's New "Dry-Weather" Cauliflower**—Succeeds even where all others fail. Similar to Burpee's Best-Early, it produces equally large, solid, pure white heads, and is only about a week later. It is especially adapted for growing in dry locations where other varieties fail; make the soil quite rich and give thorough cultivation. Pkt. 15c.



# CARROTS

## TENDERSWEET CARROT

(NEW) Sweet, Tender, and Brittle

**Culture**—While sandy loam made rich by manuring the previous year is the best soil for the carrot, any good land if thoroughly and deeply worked will produce satisfactory crops. When possible to do so, it is advisable to sow as early in the spring as the ground is fit to work. For table use sow the smaller kinds as early as practicable in rows 16 to 18 inches apart. For field culture, prepare the ground thoroughly and sow in drills 18 to 24 inches apart, using from one and one-half to three pounds of seed to the acre. Cover one-half to one inch deep and see to it that the soil is pressed firmly above the seed. As soon as the plants appear use the cultivator or wheel hoe. Do not let the weeds get a start. Thin the smaller table sorts from six to eight to the foot, and the field varieties from four to six inches apart in the row.



## CORELESS CHANTENAY

### THE SWEETEST CARROT KNOWN

A Carrot without a core is a rare treat and nothing is more delicious. Owing to the fine texture of the red flesh, and its tender, delicate flavor it is called the Sweetest of All Carrots. It grows from six to seven inches in length and is of a beautiful orange red. Pkt. 10c; oz. 45c; ¼ lb. \$1.35

**Chantenay**—This splendid Carrot belongs to the half-long "stump" or blunt-rooted type, but differs from all others of this class by its greater girth, bulk and consequent yield. It averages 6 to 7 inches in length, is broad at the neck, narrowing gradually to the round, blunt base, therefore is easily harvested. The flesh, entirely free from core, is of rich orange-red and of the finest table quality, fine-grained, tender, juicy and delicately flavored. Pkt. 10c; oz. 45c; ¼ lb. \$1.35

**Butzer's Selected Half-long Danvers Carrot**—A handsome half-long, cylindrical, stump-rooted Carrot of good size and of a rich, dark orange color; it grows to a large size, is smooth, and the flesh very close in texture, with very little core and a small tapering tap-root. It is a first-class Carrot for all soils; under good cultivation. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**Improved Long Orange**—A deep orange colored variety mostly grown for stock but may be used for the table while young and tender. Pkt. 10c; oz. 45c; ¼ lb. \$1.35. Write for price on larger quantities.

In this new carrot, which is also known as Imperator, we have one of the finest varieties ever grown. An exceptionally heavy yielder which is always sweet, tender, and brittle. The roots are 8 to 10 inches long, tapering from the shoulder to the blunt end; of rich orange-red color. Always uniform in shape and size. The plants are noticeable on account of the dark purplish green leaves. Pkt. 10c; oz. 45c; ¼ lb. \$1.35

**Guerrande, or Ox Heart**—Tops small for the size of the roots which are comparatively short but often reach a diameter of five inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive on it. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**Improved Nantes (Coreless)**—A fine quality half-long carrot, almost cylindrical in shape, blunt end and very small tap root. Flesh fine grained, with very little core. The skin is a beautiful orange color and very smooth. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**Early French Forcing**—This is a delicious little table carrot, tender and sweet-flavored, and very early. It is almost globe-shaped. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**Early Horn**—Short; the best for early market. In shallow ground a good variety to plant even for main crop. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

## Carrots for Stock Feeding

**Carrots for Stock Feeding**—These can be grown easily in good, loose soil; keep well when stored for Winter use and form an extremely wholesome addition to the Winter rations of stock when fed in conjunction with corn and dry fodder. The rich coloring of the deep orange-colored sorts is esteemed also as imparting a richer coloring to milk and butter during Winter months.

They are grown most easily in land which has been under cultivation the preceding season, and which has been manured heavily and plowed during the previous Fall, though short, well-rotted manure will give excellent results, turned under in the Spring if the surface is finely prepared before sowing the seed. Seed should be sown early, thinly in drills three feet apart using four pounds of seed to the acre. Give thorough cultivation throughout the season, working more deeply as growth advances.

**Improved Short White Mastodon**—The most productive and most easily harvested for stock feeding. The roots grow about eight inches in length, measuring three inches at shoulder and gradually tapering throughout their length. Smooth, white skin, free from small rootlets. Flesh solid, white, crisp, rich and nutritious. We have reports of this variety yielding 20 tons per acre. Pkt. 5c; oz. 30c; ¼ lb. 90c.

**Large White Belgian**—This Carrot grows a third or more of its length above the surface. Roots will average two inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil. Pkt. 5c; oz. 30c; ¼ lb. 90c

**Large Yellow Belgian**—This is similar in growth and form to the preceding, but flesh and skin of the portion growing below the soil are of a pale orange coloring. These two varieties have probably been grown more extensively than any others for stock feeding in the past, but are destined to be superseded to a great extent by the large, thick roots of the improved white variety offered above, and the thick, stump-rooted table sorts. Pkt. 5c; oz. 30c; ¼ lb. 90c



## CELERY

**Culture**—Sow the seed (which is slow to germinate) in shallow boxes indoors or in a finely prepared seed bed out of doors in straight rows, so that the small plants may be kept free from weeds. See to it that the seed is not covered too deep and that the bed is kept moist, almost wet, until the seed germinates, as plenty of moisture is essential to get a satisfactory growth. The seed will not germinate if planted in a hot-bed or where subjected to a temperature above 60 Deg. Fr. When the plants are one or two inches high, thin out and transplant so that they may stand three inches apart each way. When they are four inches high, cut off the tops, which will cause the plants to grow stocky.



### UTAH GREEN

(Utah grown.) A late fall variety that has become very popular. Produces plants of medium size, compact, solid, stalks are broad, thick, and well rounded, stringless, and unequalled for flavor. Very meaty but crisp and sweet. Is easily blanched, but usually sold in the green stage, which gives it an attractive appearance. Pkt. 10c; oz. \$1.00.

### GOLDEN SELF-BLANCHING

The best of all early celery. It is of dwarf compact habit, with thick, solid heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich moist soil, the stalks are numerous, each plant being fully as thick through as the largest of the tall sorts, and with a large solid heart of beautiful golden-yellow stalks and leaves. Pkt. 10c; oz. \$1.00.

### CELERIAC or TURNIP-ROOTED CELERY

**Smooth Prague**—A large celery flavored root used extensively for flavoring soups, pickles, etc.; also relished as a salad. Pkt. 10c.

## CHICORY

Large-Rooted or Coffee—Per pkt, 10c.

### FRENCH ENDIVE

or Witloof Chicory. French Endive is used principally as a winter salad. Sow the seed in the open ground not later than June. Lift the roots in the fall. When wanted for forcing trim to an even length of 6 inches. Pack upright in a box in rows and a two-inch layer of soil at the bottom. Loosely cover with 6 inches of sand or light earth. After watering thoroughly, place the box near the heater of the cellar and keep moderately moist until the sprouts push through. Pkt. 10c.

## CRESS

**Fine Curled Peppergrass**—Quick growing, finely cut and feathery, like a good parsley; growth dwarf and compact; ornamental, crisp and pungent; very refreshing. Pkt. 10c; oz. 45c.

**Water Cress**—Highly esteemed as a salad during the Spring and Fall, also used as a garnish for meats during the Winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants transplanted to shallow water.

Pkt. 10c; oz. 45c

## CHIVES—Schnittlauch

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender.

Seed 10c per pkt. Plants 20c per bunch

## CORN SALAD (Feldsalat)

**Vetticost, or Lamb's Lettuce**—A delicious salad. The best variety cultivated. The proper time for sowing is in the Fall, but sown early in Spring, in rows nine to twelve inches apart, it is fit for use in from six to eight weeks. Cover with hay or straw to protect through the Winter. One ounce of seed to 15 square feet. Pkt. 10c; oz. 25c.

### POP CORN

**Black Beauty**—We believe this is not only the earliest maturing variety in cultivation but it is ready for popping earlier than any other sort. It pops very large and exceptionally white. The kernels are black but this color is not noticeable after popping, when this sort is the largest and most tender of all. The ears are about six inches long, twelve rowed. The kernels are smooth, shallow, and are nearly square. Pkt. 10c

**White Rice**—A very handsome and prolific white variety. The ears are five to seven inches long. The kernels are long, pointed and somewhat resemble rice. This excellent rather late maturing variety yields heavily and is considered the best pop corn for parching. Pkt. 10c.

### HOTKAPS

Grow early flowers and vegetables by using Hotkaps. Prices, not prepaid, Home Garden Package, with cardboard setter, 25 for 50c; 100 for \$2.75; 250 for \$4.00; (these two packages include Garden Setter with Tamper); 1000 for \$10.75. Postage extra. Write for prices on quantities.

A Seedsman is a man that publishes a catalog that costs a fortune. In it he tells about all he knows and mails it free, expecting an order in return.

WRITE FOR SPECIAL PRICES ON CORN IN LARGER QUANTITIES THAN PRICED.

*Nothing Succeeds Like Success—Grow Our Seeds.*



# CORN--Sweet or Table Varieties



## "GOLDEN BANTAM"

**Earliest and Best of All Extreme-Earlies—Most Surprisingly Delicious in Flavor—Most Famous Corn Grown**

**Golden Bantam**—Is becoming each year more firmly fixed in popular favor, because of its extremely early character, vigorous growth and surpassing delicious flavor.

The stalks are dwarf and sturdy in habit, growing to a height of four feet; they bear two and three good ears, which are set well above the ground. The ears, five to seven inches in length, have eight rows of broad yellow grains.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs. \$1.25, postpaid

## GOLDEN CROSS BANTAM

(Edible in 88 days.) This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40% more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy stalks and deep green foliage.

Pkt. 10c; ½ lb. 20c; lb. 35c. Write for quantity prices

## STOWELL'S EVERGREEN

**Stowell's Evergreen**—This has long been the leading main-crop variety for home use, market and canning. Our stock is carefully selected, and can be depended upon to produce fine large ears of superior quality. The grains of good size, are long and slender—entirely free from glaze or flintiness.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs. \$1.25, postpaid

## EARLY PORTLAND MARKET

An Oregon introduction, a very early, large eared sweet corn and very productive. Its large well-filled ears together with its plump, sweet grains of pure white, make it a most profitable home or market variety. Very popular with our market gardeners.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs. \$1.25, postpaid

## FIELD CORN

THESE VARIETIES HAVE ALL BEEN GROWN ESPECIALLY FOR SEED. THE SEED IS WELL CURED AND TRUE TO NAME.

We can quote a very low price on Corn in lots of 10 lbs. and over. Write and ask us.

## MINNESOTA "13" YELLOW DENT

An early maturing yellow dent corn that is a favorite in all the corn growing sections West of the Rockies. More of it is being grown than all other varieties combined. The stalks are of medium size, the ears 9 to 11 inches long. Per lb. 15c, postpaid.

## IMPROVED LEAMING

A very popular and extremely productive variety. On good land the stalks grow tall, producing two good ears to each stalk. The ears are long, with small red cob, well filled with grains of medium size, of a rich golden color. It ripens in from 100 to 110 days, and makes a good crop even in dry seasons, by reason of its strong vigorous growth. Per lb. 15c, postpaid.

## PRIDE OF THE NORTH

A Dependable Early Yellow Dent Corn. In some sections of the Northwest it equals other varieties in yield and quality. The stalks are well proportioned, being short jointed and leafy. An early maturing, long-kernelled yellow sort that we recommend for any corn district West of the Rockies. Per lb. 15c, postpaid.

## CHAMPION WHITE PEARL

A large, White Dent variety; very popular with our dairymen on account of the great amount of green feed it makes.

Per lb. 15c, postpaid

## OREGON GROWN YELLOW DENT

Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is a revelation to many people who have thought Oregon and Washington could not raise profitable field corn.

Pkt. 10c; lb. 15c, postpaid

## GENUINE EUREKA ENSILAGE CORN

Outstanding as the Heaviest Producer of Silage Material—It Pays to Plant the Best.

Many varieties of seed corn have been offered as Eureka but we have found many times that corn supplied is only the common Southern White Dent or some other white variety which will produce a very much smaller yield. Genuine Eureka is a smooth white dent corn with short kernels, while most other corns offered as Eureka are a long kernel type. Eureka almost invariably will germinate nearly 100% and is of such a vigorous growth that severe changes of weather conditions do not affect the yield seriously after the corn has become rooted.

We do not claim that Eureka will mature in the Northwest.

Per lb. 25c; 5 lbs. \$1.10, postpaid; 10 lbs. \$1.50; 25 lbs. and over at 11½c lb., f.o.b. Portland. Order early.



## CUCUMBER

The Cucumber requires well-enriched soil, and should not be planted until settled warm weather, in this latitude, seldom before the middle of May. Plant the early, small kinds in hills  $3\frac{1}{2}$  to 4 feet apart, the larger varieties 5 to 6 feet. Make the hills broad, use 15 to 20 seeds to the hill, dropping them well apart. Cover with not over an inch of earth, and firm this well with the hoe.

**Arlington White Spine**—Uniform size, averaging seven to eight inches in length, straight and of a rich, dark green color. Flesh white, crisp, and solid, with comparatively few seeds.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c

**Davis Perfect**—A strong, vigorous grower, producing heavy crops of uniform, long, dark green cucumbers. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**Boston Pickling or Extra Early Green Prolific**—This is a very prolific variety, largely planted for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**Fordhook Famous**—The longest White Spine, the finest flavored of all. Always straight and well formed, they never turn yellow. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**Fordhook Pickling**—This is the best and most prolific variety for producing pickles of medium size, both for home use and market or to grow for the pickle factories. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**West India Gherkin**—A very prolific small-fruited variety, used exclusively for pickling. It is not properly a cucumber, and of no value for slicing. The fruits are two to three inches in length, thick, rounded form, closely covered with spines. Vines rather slender, with small foliage, but of strong growth.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c

**Lemon Cucumber**—This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor superior to and not found in any other cucumber. The Lemon Cucumber is so prolific that a single vine will be ample for the needs of the average family. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.



Long Green (the old stand-by)

**China-Long**—A most remarkable and handsome new long green cucumber from China. The most fleshy and finest flavor of the long green type. China-Long makes perfectly straight fruit. They average about 20 inches. They are the thickest in the middle of the fruit, where they average 2 to 3 inches in diameter. Pkt. 10c.

## DILL

An aromatic annual having a warm pungent taste, the seed of which is used for seasoning. Although possessing medicinal properties it is chiefly used for making Dill pickles. Plant grows two to three feet high, of branching nature, with leaves cut into thread-like segments. Very easily grown. Sow in spring after soil has become warm. Pkt. 5c; oz. 20c.

## THE GARLIC

The Garlic is the most pungent of all the onion family. It is much used in the south of Europe. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring 6 to 8 inches apart, and in August the bulbs are ready to gather. Bulbs, lb. 35c, postpaid. Write for price in quantity.

## HORSERADISH

Sets planted in May, small end down, with the top one inch below the surface, in rich, well-cultivated soil, will form radish of large size in one season's growth. Of the common variety we offer small roots, 8 for 25c; 35c per dozen, or \$1.10 per 100, postpaid. Write for price in quantity.

## LEEK

This belongs to the onion family and is a good fall and winter substitute for green onions. The leaves are flat, and the stems are very large, cylindrical and bulbous. Sow early in spring in drills twelve to fifteen inches apart, covering one-half inch deep.

**Broad London, or Large American Flag**—This is a strong-growing variety, producing large, thick stems of sweet flavor when properly blanched. Per pkt. 10c

## ENDIVE

Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use or for late use in June or July. When 2 or 3 inches high, transplant into good ground or thin out to 1 foot apart. When nearly full grown, and before they are fit for the table, they must be bleached. This is done by gathering the leaves together and tying with yarn or bass to exclude the light and air from the inner leaves, which must be done when quite dry, or they will rot.

**Green Curled**—Leaves finely cut or lacinated.

Pkt. 10c; oz. 20c

**White Curled**—Does not need blanching, the midribs being naturally of a pale golden-yellow, and the finely cut and curled leaves almost white. Pkt. 10c; oz. 20c

**Batavian (Escarolle)**—Large heads of broad, thick leaves, which can be blanched as a salad or make excellent cooked greens. Pkt. 10c; oz. 20c.

**Deep Heart Fringed**—The leaves are finely cut or lacinated, giving the plants a feathery appearance. They are a rich green color but blanch to an appetizing creamy white. Pkt. 10c; oz. 25c.

## CUPROCID

Fungicide for seeds and foliage. Prevents damping off. 4 oz. can 35c; 1 lb. can 90c, postpaid.



## EGG PLANT

Every garden should have a few Egg Plant plants. These are easily grown and bear a good crop with little attention. Egg Plants, sliced and fried, are delicious and would be much more popular if better known.

**Black Beauty**—Very early, the fruit being ready for market two weeks before any other variety. Color very fine, being a purplish black. A good variety for a main crop for market. Pkt. 10c; ½ oz. 40c; oz. 75c.

## KALE or BORECOLE

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills eighteen inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy. Farther north sow in April or May in rich light soil.



**Tall Green Curled Scotch Kale**—The plant of this variety grows to three or four feet high, bearing long plume-like, light green leaves which are deeply cut, also finely curled at edges.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 45c; lb. \$1.50

**Dwarf German (Dwarf Curled Scotch)**—Leaves are curly, bright green, very tender and delicate in flavor.

Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50

## THOUSAND-HEADED KALE

The plant attains a height of 3 to 4 feet; the stem is covered with leaves. Animals, especially sheep, eat it greedily. It grows well on any land and is very hardy.

The seed may be either drilled or broadcasted. Drilled is the better. If drilled, plant rows 26 to 30 inches apart as plants should be thinned out so as to stand 16 to 18 inches apart in the rows. In drilling use ¾ to one pound of seed to the acre; in broadcast-ing, 1½ lbs. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.35.

## KOHL RABI

The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip.

Seed should be sown in light, rich soil as early in Spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather.

**Early White Vienna**—This variety is extremely early, with distinctly small tops. The bulbs are of medium size, very light green or nearly white, and are of best quality for the table if used when about two inches in diameter. Pkt. 10c; oz. 35c.

**Early Purple Vienna**—Same as above except in color, which is purple. Pkt. 10c; oz. 35c.

# LETTUCE

## A PRIZE FOR POULTRY KEEPERS CHICKEN LETTUCE

This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale to a height of four to five feet. With much growth of leaf it is used extensively for chicken and rabbit feeding. Sow seed very early. Pkt. 5c; oz. 20c.

## EARLY CURLED SIMPSON'S

An early, erect growing, clustering variety. Leaves light green, slightly frilled and much blistered, sweet, tender and well-flavored. The sort is especially adapted for sowing thickly and cutting when the plants are very young. Pkt. 5c; oz. 20c.

## Cos or "Celery" Lettuce —Salad Romaine

**Early White Self-Folding**—This excellent variety, also called Trianon, forms a large light green plant with a well-folded head of very good quality. The mid-ribs are white and very prominent. The inner leaves are nearly white, slightly tinged with green, and are decidedly firm and sweet. This is considered the most reliable of the Cos or celery lettuces for the home garden or market gardeners' use in this country.

Pkt. 5c; oz. 20c

## ECLIPSE, OR EXPRESS

Eclipse, or Express, is a dwarf extra early sort, growing about six inches in height, with the leaves very closely folded together.

Pkt. 5c; oz. 20c

## GRAND RAPIDS

This does not form heads, but makes large compact bunches of light leaves with fringed edges. Its delicious quality and handsome appearance make it most popular in winter markets. It is useful also for outdoor planting during spring and fall. Our stock is extra fine.

Pkt. 5c; oz. 20c

## LOOSEHEAD CUTTING

**PRIZEHEAD**—Surpassingly tender, delightfully crisp, deliciously sweet. "The Quality Loose Leaf Lettuce."

In Prizehead our aims have materialized—it is perfection—seems to be no room for improvement. It has every essential of a highly desirable leaf lettuce and is unquestionably one of the best and most reliable varieties for all year around cultivation. Equally popular with amateur and professional growers.

Its immense size and tenderness make it indeed a Prizehead. It is quite early and is slow to shoot to seed. The plants form a loose cluster of leaves, the inner part of which is well blanched, though there is no heart; the leaves are much blistered and crumpled, are of light brown color, varying to bright green, and are of exquisite quality, tender and crisp in texture and sweet in flavor. An excellent variety for home use, more largely grown in this country than any other. We sell very large quantities of this variety.

Pkt. 5c; oz. 20c; ¼ lb. 60c

**California Cream Butter, or Royal Summer Cabbage**—A very reliable heading sort, with glossy deep green leaves, the outer ones slightly spotted or splashed with brown. The inner leaves form a large very solid head, rich light yellow in color, very thick, tender and buttery.

Pkt. 5c; oz. 20c

## CREAMY HEART

The introducer says: "A selection we have made from California Cream Butter. It is similar to that sort, but is earlier and without any brown spots or brown edge, and is of most excellent, tender quality. It is very desirable for early spring planting, where a butter head is demanded both for market and home garden. We believe it has a place in the list of lettuce, in that, for early planting it is superior to Black Seeded Tennisball and similar varieties."

Pkt. 5c; oz. 20c

## MIXED LETTUCE

This mixture contains Head, Loosehead, Curled, Brown, in fact almost all styles and shapes. Try a package. Pkt. 5c; oz. 15c.



## LETTUCE

For early outdoor culture in the latitude of Portland and southward the seed may be planted in the fall, protecting the young plants from severe freezing either with frames or coarse litter, which may be removed as soon as danger of severe freezing is over.

Lettuce in ground out of doors will stand some freezing, but is killed by prolonged frost or frequent freezing and thawing. North of Portland an early crop may be secured by starting under glass from January to March and hardening off well before setting in ground, which should be done as soon as weather will permit.

**Culture**—Lettuce, to be at its best, should be grown rapidly, hence, the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For winter, sow under glass from November to February and thin out as necessary to prevent crowding. Keep a moderate heat and give all the light and air possible. For general crop, sow outdoors as early in the spring as the ground can be worked, in drills eighteen inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin them out and use as required. In this way a much longer succession of cuttings may be had from the same ground.

### BIG BOSTON

This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size in a cooler temperature than most forcing strains. Large heads are beautifully blanched and of superior quality. It heads well in the open ground during cool weather of spring and fall: is very popular. Our seed is an extra selected strain. Pkt. 5c; oz. 30c.

**Iceberg**—The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched. It matters not whether grown to head in the early spring or the hottest days of summer, the leaves are always crisp and tender.

Pkt. 5c; oz. 30c

### CABBAGE OR HEADING VARIETIES

**New York or Los Angeles**—This is the variety that is planted so extensively in all parts of California and other states where lettuce is grown for Eastern shipment. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, white, very sweet and tender when in condition for

Pkt. 5c; oz. 30c



### No. 12 NEW YORK LETTUCE or EXTRA EARLY MOUNTAIN ICEBERG

A comparatively new strain of New York lettuce, developed by Pieters-Wheeler Seed Growers of California. This lettuce is about a week earlier than the regular New York strain. It produces larger heads, which are more rounded and less cone shaped. No 12 produces a very uniform crop. A crop that does not tip burn blight nor shine as readily, and because it is not as susceptible to hot weather it does not bolt to seed as quickly. Pkt. 5c; oz. 30c; ¼ lb. 75c.

## MUSKMELON or CANTALOUPE

**Culture**—Plant the seed in hills six feet apart each way, dropping ten to twelve seeds in a hill. After the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impracticable. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

If the plants grow very rank, more and finer fruit will be secured by allowing the main branch to continue growing, but pinch off the end of each side branch after it has one fruit set. The quality of melons of all varieties is largely dependent upon conditions of growth and ripening. Unhealthy vines or unfavorable weather produces fruit of comparatively poor flavor.

### YELLOW FLESHED VARIETIES

**Hale's Best**—The earliest maturing of all large melons. Even in a season remarkable for its coolness the fruits matured to luscious sweetness in 68 days after planting. The melons are oval but inclined to produce some fruits of somewhat elongated shape. The popularity of Hale's Best is due not only to its earliness but particularly to the sweet tasty flavor of its beautiful salmon flesh. Pkt. 5c; oz. 15c.

**Hearts of Gold or Hoodoo (Orange)**—A medium sized very uniform melon of fine grained flesh and sweetest flavor. Per pkt. 5c; oz. 15c.

**Fordhook**—The most perfect cantaloupe. It is about the same size as Improved Jenny Lind, very thick flesh, of orange yellow, very small seed cavity, comparatively few seeds, flesh very solid and of very high flavor, flesh staying solid and firm after melon has become quite yellow. Pkt. 5c; oz. 15c.

**Burrell's Gem**—One of the most popular market melons. Melons are oblong, not deeply ribbed, well netted and about 4½ to 6 inches long. Flesh very deep, with an exceedingly small seed cavity. Flesh deep salmon and of excellent flavor. Pkt. 5c; oz. 15c.

### BANANA MUSKMELON

A long yellow-fleshed melon. A very interesting and at the same time a splendid melon. The melon is from 20 to 28 inches long and almost solid. The meat is of a rich salmon color, and has a flavor which is truly delicious. Don't pick the melons until they are thoroughly ripe, as they are then at their best. Plant some Banana Melons for home use and county fair exhibits.

Pkt. 5c; oz. 15c

**Osage, or Miller's Cream**—The fruits are larger than those of the Emerald Gem; nearly round in form, but having the same distinct dark green skin, with lighter bands between the ribs, and thick, firm, orange flesh of fine quality. Per pkt. 5c; oz. 15c.

**Emerald Gem**—Small to medium size; skin deep green, generally smooth; flesh thick, rich salmon, not surpassed in richness and flavor. But few varieties are so nearly certain to produce uniformly good melons. Pkt. 5c; oz. 15c.

**Honey Dew**—An old French variety, requiring 150 days to mature and having a delicious flavor when thoroughly ripened. It has a smooth thin rind, a delicate yellow, and flesh blending from white near the rind to green. In short season localities should be started in a hot-bed. Pkt. 5c; oz. 15c.



## GREEN FLESHED VARIETIES

**Extra Early Hackensack**—This is a selection of the popular Hackensack, ripening fully ten days earlier. Melons of good size, heavily-ribbed and netted; thick light green flesh of fine flavor. Per pkt. 5c; oz. 15c.

**Netted Gem, or "Rockyford"**—The melons are even and regular in size and form, nearly round, or slightly oval. They are always finely netted, and the skin is of a light golden hue when fully ripened. The flesh is light green in color, melting and luscious in flavor, and ripens close to the skin, so that there is but a very thin rind in a well-grown fruit. Pkt. 5c; oz. 15c

## WATERMELONS

**Culture**—In order to get good Watermelons, it is essential that the plants get a good start, and to this end it is important to prepare hills about eight feet apart by thoroughly working into the soil an abundance of well-rotted manure—hen manure, sheep guano, guano, or other forms rich in nitrogen, being most desirable. Over this highly-manured soil put an inch or more of fresh earth and plant the seed on this, covering it about an inch in depth. It is important that the seed should not be planted before the ground becomes warm and dry, as the young plants are very sensitive to cold and wet. When the plants have formed the first pair of rough leaves, they should be thinned, so as to leave two or three of the strongest and best to each hill. Frequent watering of the plants with liquid manure will hasten the growth, thus diminishing the danger from insect pests.

**Butzer's Favorite**—This melon, very popular in the Willamette Valley, grows very large and is almost round. It is rich dark green in color, has a medium rind and the flesh is deep red. It is drought resisting and will produce a profitable crop of melons when other melons are sometimes scarce. Edible in 90 days. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$1.75

**Cole's Early**—The Northern States' favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notch. It is oblong shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich and deliciously sweet. Pkt. 5c; oz. 15c; ¼ lb. 40c

**Fordhook Early**—An extra early variety of fine quality and fair size; form round to oblong; skin dark green mottled with a darker shade; flesh bright red; seeds white. Per pkt. 5c; oz. 15c; ¼ lb. 40c.

**Kleckley's Sweets, or Monte Cristo**—Medium to large in size, medium early and exceedingly sweet; oblong in form, slightly tapering towards the stem end; rind very dark green; flesh very bright, rich red and ripens nearly to the rind; too tender for a shipping melon; seeds white to light brown. Pkt. 5c; oz. 15c; ¼ lb. 40c

**Klondike**—Rind dark green, thin. Flesh distinctive shade of red, brittle and sweet. Fruits oblong. A good shipper because it does not wilt. Pkt. 10c; oz. 20c; ¼ lb. 50c

**Black Seeded Ice Cream**—Fruits almost round, rind thin, medium green. Flesh pink, sweet. Matures early. A fine keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c.

**White Seeded Ice Cream**—Same as above with white seeds. Pkt. 5c; oz. 15c; ¼ lb. 40c.

## MIXED WATERMELON

This mixture contains some of the big and some of the little fellows, some with white seed and some of black or brown seed. Pkt. 5c; oz. 15c; ¼ lb. 30c.

## CITRON

**Citron**—The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The color is dark green, distinctly striped and marbled with light green. The flesh is white and solid but is not at all suitable for eating raw. Seed red. The fruits mature late in the fall and in this condition can be kept for a long time. Pkt. 5c; oz. 15c; ¼ lb. 40c

**Early Jenny Lind**—This is a leading market variety by reason of its extremely early ripening and prolific bearing qualities. The melons are of small size, quite flattened in form, heavily ribbed and netted. Pkt. 5c; oz. 15c

## MIXED MUSKMELON

Many of our customers prefer one mixture of seed that will produce early, medium, late green flesh and orange flesh varieties, thus producing a continuous table supply throughout the season from one small plot. This is composed of our best select strains and put together in a properly balanced mixture, that will give ripe, luscious fruit throughout the season. Price: Pkt. 5c; oz. 10c.

## CASABAS

The Casaba is now at full zenith of popularity. Previously it was grown as a late melon to mature after the cantaloupe season. As a late melon its popularity was confined to a limited section near the Coast of Southern California. But it is now demonstrated that it can be grown in all semi-arid sections side by side with the early cantaloupes and water melons.

**Hybrid Casaba**—This excellent Casaba grows to a large size. Flesh nearly three inches thick and of excellent flavor. Per pkt. 5c; oz. 20c.

**Santa Claus**—The name is appropriate to this melon. You can send nothing more delicious to your Eastern friends for a Christmas present. Per pkt. 5c; oz. 20c

## MUSTARD

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks until Autumn. Water freely.

**Fordhook Fancy (Ostrich Plume)**—Plants are of vigorous growth, and have beautiful dark green leaves which curve outward like fine ostrich plumes. It stands well, even during the hot summer months. Per pkt. 5c; oz. 15c

**Southern Giant Curled**—Leaves light green, frilled and much crimped at edge. Highly esteemed in the South for its vigorous growth and good quality. Per pkt. 5c; oz. 15c

## MUSHROOM

Mushrooms are easily grown in the cellar or in dark rooms where a temperature of from 50 to 65 degrees can be maintained. In making the bed, use fresh, clean, stable manure, without much straw. Before placing it in the bed, the manure-pile should be turned over a few times. The bed should have at least 10 inches of solid manure. Put this in, in two layers, and tramp each one down well. Test the heat of the manure with the thermometer and when the temperature is on the decline and between 90 and 100 degrees, insert pieces of Spawn. After ten days, spread on a layer of fresh, well-manured loam. If the temperature is right, Mushrooms should come up freely weeks after spawning.

Cultural directions, to be of any value, would be too lengthy to give here, but we will forward full directions for the planting and culture of spawn with each order.

## TOBACCO STEM SPAWN

The advantages of tobacco stem spawn are as follows:

1. Greater vigor—grows fast—is more resistant to adverse conditions.
2. Medium contains the most desirable food elements.
3. Its crumbled nature gives it greater contact with the manure, therefore a more thorough inoculation.

Price, \$1.35 per ½ lb. can



## ONIONS

**Cultivation**—Give the onions the first hoeing just skimming the ground between the rows as soon as they can be seen in the row. Hoe again in a few days, this time close up to the plants, after which weeding must be begun. This operation requires to be carefully and thoroughly done. The weeder must work on his knees astride the row, stirring the earth around the plants, in order to destroy any weeds that have just started. At this weeding or the next, according to the size of the plants, the rows should be thinned, leaving from eight to twelve plants to the foot. In ten days or two weeks they will require another hoeing and weeding similar to the last and two weeks later give them still another hoeing, and if necessary another weeding. If the work has been thoroughly done at the proper time, the crop will not require further care until ready to gather.



**Oregon Yellow Danvers**—This variety is very extensively planted in the Northwest, particularly in Oregon. The largest crop of onions and the best keepers, bring the highest prices in Pacific coast and middle Western markets.

Our seed is grown especially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seed can be obtained. Pkt. 10c; oz. 75c; ¼ lb. \$2.50.

### RED WEATHERSFIELD

This is a standard variety planted all over America. It is of large size, very productive, and an excellent keeper. The color is deep purplish-red, and the flesh is white. Pkt. 10c; oz. 75c; ¼ lb. \$2.50.

### PRIZETAKER

A large Yellow Globe Onion of finest flavor, handsome shape and enormous size, many single onions having been raised to weigh three pounds or over. The Prizetaker grows always to a perfect globe shape with a bright straw-colored skin.

Pkt. 10c; oz. 75c; ¼ lb. \$2.50

**White Bermuda or Crystal White Wax**—This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Teneriffe seed. Pkt. 10c; oz. 75c; ¼ lb. \$2.50.

### YELLOW SWEET SPANISH

We recommend this new variety of onion very highly, and believe that it will be more than pleasing to those who plant it. It is a globe-shaped onion of bright yellow color, and mild in flavor, and grows a little larger than the Prizetaker.

Pkt. 10c; oz. 75c; ¼ lb. \$2.50

### NEW WHITE SWEET SPANISH

This is one of the earliest, mildest and sweetest onions that you can grow. It is a recent introduction which is gaining much favor. The culture and time of planting is the same as the Yellow Sweet Spanish, also in shape and size. Pkt. 10c; oz. 75c; ¼ lb. \$2.50

### WHITE PORTUGAL, OR SILVERSKIN

The best known and most largely used white onion. Is flat on the bottom and thick toward the top; very hard and firm. An excellent keeper. Is largely used for white onion sets as well as for bulbs for the best market trade and also for pickles.

Pkt. 10c; oz. 75c; ¼ lb. \$2.50

### SOUTHPORT WHITE GLOBE

This is a most desirable medium early, or main crop variety. This variety yields abundantly, producing medium to large, handsome and fine-shaped clear white bulbs. The flesh is firm, fine-grained, quite mild in flavor, and is very attractive. The bulbs are globe-shaped, keep well, and are desirable for shipping. This is a good variety for home garden or market. You can pull green onions 65 days after planting the seed, and it matures in 140 days. Pkt. 10c; oz. 75c; ¼ lb. \$2.50

### BOTTOM ONION SETS

Small onions grown from seed that has been sown too thickly to attain a large size. The small onions (about ¼ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown directly from the seed.

Per lb. 25c; 5 lbs. \$1.00

### POTATO ONION

Valuable for bunching or an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium size bulbs. Light brown skin, mild white flesh. It is the earliest, most vigorous in growth and easiest to cultivate of all onions from sets. For the family garden, whether pulled green or as dry bulbs, they are most excellent. We cannot supply these sets after March 1st.

Per lb. 30c, postpaid



## PARSLEY

Parsley succeeds the best on rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the Spring, in drills one to two feet apart and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves; the plant will then start a new growth of leaves.

**Plain, or Single**—Plain leaves, excellent flavor.

Pkt. 5c; oz. 20c

**Extra Curled Dwarf, or Emerald**—The moss-like leaves, of a handsome bright green color, are finely curled. Pkt. 5c; oz. 20c.

**Turnip-Rooted, or Hamburg**—The edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc.

Pkt. 5c; oz. 20c



## OKRA or GUMBO

Okra pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

**White Velvet**—Produces pods larger than any other. Pkt. 5c; oz. 15c.

**Tall or Perkins Mammoth**—The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt. 5c; oz. 20c

## PARSNIPS

Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots a little coarse and ill shaped. As the seed is sometimes slow to germinate, it should be sown as early as possible in drills two and one-half feet apart, cover one-half inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants to three or four to the foot.



### HOLLOW CROWN

#### GUERNSEY

**Guernsey (Improved Half-Long)**—There is a great demand for this Parsnip because it has all of the good qualities of other parsnips and only grows about one-half as long. It is easily harvested, is of good quality, being tender and crisp at all times. It is very desirable particularly for heavy soils and is a good home garden variety because it is easily dug.

Pkt. 5c; oz. 20c; ¼ lb. 35c; lb. \$1.00

#### LONG SMOOTH, or HOLLOW CROWN

**Long Smooth, or Hollow Crown**—A great cropper, tender, sugary, and considered the best for general cultivation. Pkt. 5c; oz. 20c; ¼ lb. 35c; lb. \$1.00.

## SWEET POTATOES

**Culture**—Set out in rows four feet apart and 15 inches apart in rows, about May 5th to June 1st. Use sandy loam soil in a warm location. Acclimated fresh dug plants are very essential.

**Prices on Plants**—Strong, healthy plants of local growth. Doz. 50c; 3 doz. \$1.00; 100 \$1.75.

**Nancy Hall**—Produces good sized tubers of medium length and quite thick in diameter. The flesh is of rich orange color and very sweet. They produced a nice crop here on our farm last season. It is more like a yam than a sweet potato.

**Porto Rico**—A large, reddish skinned sort. Strong, vigorous grower, producing heavy crops.

## PEANUTS

For best results select warm, light or sandy soil rich in lime. Plant in rows 2½ to 3 ft. apart, spacing the shelled nuts 8 to 10 in. apart in the rows, or if planted in the hulls, place them 16 to 18 in. apart in the row. Cover with 2 in. of soil. Cultivate and hoe freely. In the fall, before frost dig and hang vines under a shed or in an airy room to cure. Peanuts are shipped in the shell to prevent damage to the tender seeds. They can be planted either shelled or whole.

**Jumbo Virginia**—120 days. Most productive, extra large peanut of rich flavor, with 2 or 3 kernels to the pod. The vines spread 3½ to 4 ft. across; make valuable fodder for stock.

Pkt. (10 pods) 10c; ½ lb. 40c; lb. 75c

**Spanish**—110 days. The dwarf bushes grow close and are easily cultivated and gathered. The kernels are small and very sweet. Early, and a heavy bearer.

Pkt. 10c; ½ lb. 40c; lb. 75c

## PEAS

### EDIBLE PODDED or SUGAR PEAS MAMMOTH MELTING SUGAR

This is one of the best-known of all edible-podded peas. The vines grow luxuriantly and reach a height of 6 to 7 feet. The pods are borne in great profusion all over the vine and they should be gathered when the seeds are just beginning to form. They are broken in pieces the same as string beans and make a delicious and palatable dish.

Pkt. 10c; ½ lb. 15c; lb. 30c, postpaid

### GIANT LUSCIOUS EDIBLE POD

The pods, which are five to six inches long, are very fleshy, curved or scimitar shaped and of light green color. When young the pods are very tender and free from strings and when cooked are of superior quality and delicious flavor. The vines average about four feet high and are vigorous and productive.

Pkt. 10c; ½ lb. 15c; lb. 30c

### DWARF GRAY SUGAR

Grows 18 inches high and produces a heavy crop of small flat pods, 1 inches long. The pods are gathered, broken and cooked like string beans when the peas begin to develop in the pod.

Pkt. 10c; ½ lb. 15c; lb. 30c

### SUCCESSION PEA COLLECTION

We offer the following to home gardeners, who wish a variety of peas producing from early to late. Postpaid, 1 pkt. each of Blue Bantam, World's Record, Dwf. Alderman, Laxton's Progress and Imp. Telephone. A 50c value for 35c; or ½ lb. of each of the above for 65c.

**Dwarf Alderman**—Perhaps the best all-round pea of this type, vines strong and vigorous, leaves and pods rich dark green. A very heavy yielder of the finest quality peas. Try them this year.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

**Telephone**—A tall-growing, late sort, three and a half to four feet in height, having pods of a very large size, containing six to seven peas of delicious flavor. Continues in bearing for quite a long time.

Pkt. 10c; lb. 30c; 5 lbs., \$1.25, postpaid

**World's Record**—World's Record is an English variety which has proved to be perfectly adapted to the Northwest. Our seed has been grown in this locality for several seasons, and is thoroughly acclimated. The vines are semi-dwarf, growing about three feet high, and the yield, size and quality of the peas is wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

**Laxton's Progress**—The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Blue Bantam, Hundred-fold, Pioneer or Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid



## GARDEN PEAS

Every home garden can easily produce enough peas to supply the table for many weeks. For a continuous supply of this delicious vegetable, sow the early, mid-season, and late varieties as early in the spring as the soil can be prepared. Both wrinkled and smooth seeded types can be planted early. Besides sowing at the beginning of the season varieties which will mature one after another, also make succession sowings at intervals of 10 to 14 days up to about June 1st. Cover the seed 1 to 2 in. deep. Provide supports for the tall-growing varieties. One pkt. of seed will sow 20 ft. of row; 1 lb., 100 ft.; 120 lbs., 1 acre.

The peas will give quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way. Larger pods and more of them will be produced if the seed is planted in trenches three to six inches deep and covered with only one or two inches of soil. When the plants are five or six inches high fill the trench level with the surface. This will secure deep rooting, prevent mildew and prolong the bearing season. If the peas be covered to the full depth at first, or if water be allowed to stand in the trenches, they will not germinate or grow well.

### GRADUS

This extra early, wrinkled pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; growth, vigorous and healthy; vines 2½ feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time. These peas are planted by market gardeners around the vicinity of Portland more than any other kind.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

### BLUE BANTAM

Bears abundantly long, handsome pods fully as large and equally as early as Gradus, while the vines require no staking! Is unequaled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average fifteen inches in height and carry really enormous crops of large, deep bluish-green pods. The handsome pointed pods measure four and one-half inches long and are tightly packed with eight to ten extra large peas. These peas are not only large in size, but of most luscious flavor. Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid.

### LITTLE MARVEL

The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

### BUTZER'S IMPROVED ALDERMAN

Alderman stands unique as the greatest and unrivaled wrinkled pea on earth. Very uniform in shape and always of the largest size, produced in profusion and so well-filled that Alderman is perhaps the greatest and largest yielder of all peas. The vines are of strong growth, attaining a height of 4 to 5 feet, foliage and pods are of a dark green color, often measuring 6 inches in length and are densely filled with large peas of unsurpassable flavor. Of all tall main crop peas Alderman is the finest and most desirable for the home garden and for the market.

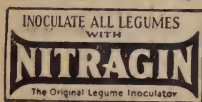
Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

Alaska—Also called "Earliest of All"! The vines grow from 20 to 30 inches in height, bearing well-filled medium-sized pods. Matures practically the entire crop at one time. Most popular first-early pea for canning.

Pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs., \$1.25, postpaid

A special garden size for peas, beans and sweet peas will insure you large, luscious peas and beans, and abundant sweet pea blossoms and gorgeous coloring

Packet, 10c, Treats Four Pounds of Seeds



## PEPPER

The culture of peppers is the same as for egg plant and the plants need quite as much heat to perfect them. Guano, hen dung, or any other bird manure hoed into the surface soil when the plants are about six inches high, will wonderfully increase the product and also improve the quality of the fruit.

**California Wonder**—This new variety resembles Chinese Giant in shape, but has much thicker flesh. The fruit will average 4 inches in diameter at the top, tapering slightly. It matures its fruit somewhat earlier than Chinese Giant and is very prolific. Color glossy dark green, turning to crimson.

Pkt. 10c; ½ oz. 40c; oz. 65c

**Chinese Giant**—This standard variety is larger than "Ruby King." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe. Pkt. 10c; ½ oz. 40c; oz. 65c.

### MIXED PEPPERS

**Mixed Peppers**—A great many varieties mixed. Space will not permit to name them all.

Pkt. 10c; ½ oz. 40c; oz. 65c

### OTHER PEPPER SORTS

**Cayenne**—Long red; very hot.

**Tobasco**—Hottest of all.

Per pkt. 10c; ½ oz. 40c; oz. 75c

**Red Chili**—Good hot pickling.

## RHUBARB or PIE PLANT

Rhubarb, familiarly known as Pie Plant, or Wine Plant, is cultivated in gardens for its leaf stalks, which are used for pies and tarts. Immense quantities are now annually sold in all the large markets. No private garden should be without it.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50. Rhubarb roots, by express, not prepaid, 15c each; \$1.50 per doz.; by mail, prepaid, 25c each; \$2.00 per doz.

**WRITE FOR SPECIAL QUOTATIONS ON LARGE QUANTITIES.**



## PUMPKINS

Pumpkins are not so particular in regard to soils as melons or cucumbers, but in other respects are cultivated the same, though on a larger scale. They are generally raised between the hills of corn, but may be planted with success in fields by themselves. The pumpkin more properly belongs to the farm than the garden, especially as it really mixes with and injures the quality of the finer squash.

### SMALL SUGAR, or NEW ENGLAND PIE

This variety is small but most excellent quality for pies. The fruits are deep orange, 8 to 10 inches in diameter, round or somewhat flattened and slightly ribbed. The flesh is rich deep yellow, fine grained and very sweet. Per pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; lb. \$1.25.

### WINTER LUXURY

The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color, golden-russet, finely netted; flesh, deep golden, sweet, tender and very thick; none better.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### VIRGINIA MAMMOTH

The most extensively grown sort locally for stock. Is an excellent keeper, sweet, and largely used for canning. This variety does not seem to be affected by the hot sun and remains in good condition irrespective of the soft shell. Fruits are large, flattened 12 to 15 inches in diameter, and half as deep, however sometimes grow much larger. Skin creamy buff, with thick deep salmon yellow flesh of good quality.

Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### "KING OF THE MAMMOTHS"

This is the very best genuine strain of the true Mammoth Pumpkin. Fruits grow to enormous size, sometimes reaching two feet or more in diameter, and from one hundred to two hundred pounds in weight. Salmon-orange skin, very thick, bright yellow flesh, which is fine-grained, tender and of excellent quality for pies. To raise the largest fruits, vines should be allowed ample space in which to grow—only one plant should be allowed to grow in a hill, and only the best fruit left on the vine.

Per pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### CONNECTICUT FIELD, or "BIG TOM"

Vines of strong, vigorous growth and wonderfully prolific. Fruits will average fifteen to twenty inches in diameter; round or slight oval in form. Smooth, hard, reddish-orange skin, slightly ribbed, with rich orange-yellow flesh. Frequently grown among corn to make a crop of pumpkins for feeding to dairy stock.

Per pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 90c

## BUTZER'S CHOICE RADISHES

Plant as early in the spring as the ground can be worked, and make succession plantings every 10 days. Where the summers are hot, sow until the middle of May, then stop, but make three more sowings during August. Sow the seed thinly in shallow drills and cover with about one-quarter inch of fine soil. The quality of Radishes depends considerably upon thorough soil preparation, good fertility, and ample moisture. One ounce is sufficient for 100 feet of drill; 8 to 10 pounds of seed are needed to sow one acre planted in drills.

**French Breakfast**—Is a beautiful radish of true oblong or olive shape. The color of the skin is bright carmine, shading to clear white in the lower portion. The flesh is white, firm and crisp; juicy, mildly pungent, and tender.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### WHITE ICICLE

The finest of all long radishes. Pure white, delicious, crisp flesh; always tender, juicy, and delicately snappy. The roots grow 6 inches in length and are the shape of an icicle, straight and free from side shoots. Splendid for either spring or fall use. Four weeks from sowing to maturity.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### MIXED RADISH SEED

All kinds, colors and styles. A great variety; they will become ready for the table early, medium and late. You always have some that are just right, sweet and juicy. This mixture is for a small garden, where space is limited, and one sowing does for the whole season. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

### WINTER RADISHES

These require cool weather at the finish of their growing season. Make your first planting the middle of June, and sow again in July and August. Mature in 7 to 8 weeks. Easily stored for winter use.

### RADISH—NERIMA—LONG

**Nerima Long (Mikado)**—"Nerima" is the name of the province of production, near Tokyo, Japan. This is a most valuable one, large and long (as long as three feet), and the end of it is round in form, snowy white and bright color and very fine taste with sweet flavor. Nerima can be used in all styles of cooking and pickle; hardy and good keeper. We have had long experience of production of Nerima successfully and we are earnestly presenting this to all good farmers and garden lovers. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c.

**Long Black Spanish**—Black skin, white flesh. Per pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**Round Black Spanish**—The favorite winter Rettig of the United States.

Per pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

**White Strasburg**—A fine solid summer radish of large size. Pkt. 5c; oz. 15c, postpaid.



### SPARKLER (Scarlet Turnip White Tip)

The Best for the West—Most attractive small round roots with bright scarlet top, a clear white base, and small, slender taproot. Scarlet Turnip White Tip is most popular with many market gardeners.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### CRIMSON GIANT

**Crimson Giant**—A fine, bright-red radish, growing quickly to a large size. It is especially fine for bunching for early market.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### VICK'S SCARLET GLOBE

This attractive, round, bright scarlet Radish is grown extensively for both home and market. One inch in diameter. Crisp and tasty fine white flesh.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

### TRY THIS

Plant the little round radishes in the same row at the same time with beets or carrots. The radishes will break the way for the beets and carrots and will be ready for pulling by the time they need the room.



## SALSIFY or VEGETABLE OYSTER

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground over winter.

**Mammoth Sandwich Island**—This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor.

Pkt. 10c; oz. 25c

## SPINACH

**Culture**—Sow in drills 16 to 20 inches apart, thin to 3 inches. For early spring use, sow in the fall, or sow in early spring for later use. Fine fall spinach can be grown by planting seed August 20th to September 1st, and winter spinach can be planted until October 15th.

**King of Denmark Spinach "Antvorskov"**—This variety of Spinach will eventually replace all others for spring planting, as it is very slow to go to seed, continuing to grow and hold its fine quality for weeks after all other sorts have gone to seed. It makes a very quick and low growth, producing an abundance of dark green leaves which are of large size and very much crumpled.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00

**Victoria**—The foliage is heavy, the broad, dark-green leaves being of the true Savoy appearance, and of the finest quality. It remains in prime condition from two to three weeks after nearly all other varieties have run to seed. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

**Thick Leaved Improved**—Medium early rapid growing variety, forming large, thick, slightly crumpled deep green leaves of good quality.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00

## NEW ZEALAND SPINACH

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked.

Do not sow seed until May 1st or when the soil is fairly warm. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

## TOBACCO SEEDS

**Culture**—A very clean piece of land is best for the tobacco plant beds, hence it is customary to burn a piece of land in the woods for plant beds. This destroys grass, weeds and insects, adds fertility through the action of the wood ashes, and leaves the ground in good order. The seeds are sown about February and protected by plant-bed cloth to keep off tobacco flies. When large enough and weather is settled (about June), set the plants out in highly manured or fertilized soil in 3½-foot rows, 3 feet between the plants. Constant care must be given, cultivating, suckering, worming, etc.

## CONNECTICUT SEED LEAF

An old, well-known variety. Pkt. 10c; oz. 75c.

## IMPROVED WHITE BURLEY

This strain is much superior to the regular White Burley. Pkt. 10c; oz. 75c.

## SQUASH

### WARTED HUBBARD

A large-fruited, hard-shelled sort, for winter use. Heavily warted skin of a rich dark green. Shell is extra hard, making it a good keeper. Has bright orange flesh. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35

## SQUASH

**Culture**—Squash plants are very tender and sensitive to cold, and planting must be delayed until warm weather. The general methods of culture are the same as these given for cucumbers and melons but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight or ten. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash as the slightest injury will increase the liability to decay.



### TABLE QUEEN, "Des Moines"

Called Danish Squash on Portland Market

A trailing variety, producing acorn-shaped fruit with a thin, distinctly ribbed, dark green shell; 6 inches long by 4½ inches in diameter. Flesh light yellow. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### BANANA

The squash grows from one to two feet in length. The skin varies from a bright yellow to a dark olive green. Flesh firm and solid, of beautiful orange-yellow and excellent quality. It keeps from one season until another. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

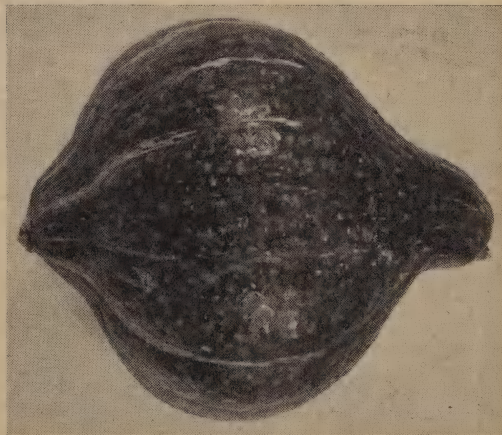
### "THE DELICIOUS"

The squashes weighing from five to ten pounds, vary both in color and form, but are uniformly delicious in flavor and splendid winter keepers. The dark-orange flesh. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### MARBLEHEAD

Similar to Hubbard, but much earlier. It is warted somewhat and the rind is slate green.

Per pkt. 5c; oz. 20c; ¼ lb. 45c; lb. \$1.35



### TRUE HUBBARD

This is the well-known winter squash, now grown so largely throughout the country. Vines of strong running growth; fruits large, olive-shaped, with dark-green skin and very rich flesh. An excellent keeper and of splendid quality. Our strain is extra fine.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35



## SQUASH (Continued)

### MAMMOTH WHALE

These squashes grow from 2½ to 3 feet in length. The skin is dark olive-green; the flesh firm and solid; a beautiful orange-yellow of excellent quality.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35

### COCOZELLE BUSH

This is also known as Italian Vegetable Marrow. The oblong fruits measure 12 to 16 inches in length. The skin is deep green, marbled with yellow and dark green stripes. A very productive variety. Per pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 70c; lb. \$1.35.

### COCOZELLE VINING

Same price as above.



### ZUCHINI

Similar in all respects to Bush Cocozelle except the fruits are mottled dark and light green, giving them a greenish-gray appearance. Per pkt. 5c; oz. 15c; ¼ lb. 40c; ½ lb. 70c; lb. \$1.35.

### GIANT CROOKNECK

This strain is equally as early as the common small-fruited variety, while the squashes grow to a much larger size, measuring from eighteen inches to two feet in length. Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### GIANT SUMMER STRAIGHTNECK (New)

A straight selection from Mammoth Yellow Crookneck, which is in demand as it packs so well for shipping. Fruits heavily warted. Eighteen to 20 inches long when matured. Deep orange color; thick, meaty neck. Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### "KITCHENETTE" (Hubbard)

A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35

### DELICATA

A small-fruited variety, suitable for both summer and winter use; oblong, slightly ribbed, with orange-yellow skin, striped with dark-green. Flesh thick and solid. Cooks dry, and is of rich flavor.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35

### BURPEE'S FORDHOOK SQUASH

This is the most desirable running variety for either summer or winter use. The vines are of strong, vigorous growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly rigid, smooth, thin, yellowish skin, flesh very thick and of a light straw-yellow. Per pkt. 5c; oz. 15c; ¼ lb. 40c.

### BURPEE'S BUSH FORDHOOK SQUASH

In this new true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### MAMMOTH WHITE BUSH SCALLOP

The fruit is a beautiful, clear waxy-white, instead of the yellowish-white so often seen in the old Early White Bush Scallop, and is superior to that variety in size and beauty. The handsomest of the scalloped squashes. Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.35.

### VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy.

Per pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75

## TOMATOES

Culture—Tomatoes do best on light, warm, not over rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from six to eight weeks before they can be set out of doors, which is when danger from frost is past; when the plants have four leaves.

To insure best results in respect to early ripening, as well as the amount and perfection of fruit, it is advisable to train up and trim the vines, especially if the patch is rather small. When the plants have been properly started and are six to ten inches high, they will begin to throw out branches. Select one of the largest and most vigorous of these and pinch off all others except this one and the main stem. Care must be exercised not to pinch off the fruiting branches, which, as they appear, can be distinguished by the buds that are formed very early.



### BONNY BEST

An early, scarlet-fruited variety which has proven a success all over the country. It is from ten days to two weeks earlier than Chalk's Early Jewel, which it otherwise resembles. It is smooth, very even in size, very solid, and also very prolific. It is one of the best.

Pkt. 5c; oz. 35c; ¼ lb. \$1.15; lb. \$3.50

### CHALK'S EARLY JEWEL

The largest, smoothest and finest-flavored extra early bright red tomato! Within a week to ten days as early as Spark's Earliana, it is even a heavier cropper, with tomatoes of larger size and sweeter flavor—produced continuously throughout the season. Of compact growth, the plants are fairly loaded with fruit. The tomatoes are uniformly of good size.

Pkt. 5c; ½ oz. 25c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50

The New Marglobe Tomato—This new rust resisting variety is spoken of throughout the country as the finest tomato ever introduced, being particularly desirable in sections subject to tomato diseases. A scarlet variety ripening well up to the stem, of perfect globe shape and splendid quality. The vines are strong and vigorous and very productive.

Pkt. 5c; oz. 35c; ¼ lb. \$1.15; lb. \$3.50

BONNY BEST



## TOMATOES (Continued)

### RUTGER'S TOMATOES

It has thick outer and inner walls of solid meat, and therefore very small seed cavities and little seed. It is globe shaped, scarlet red in color, resembling the Marglobe. It ripens first in the center of the fruit, so that when red on the outside the tomatoes are ripe all through. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.50; lb. \$4.00.

### "BURBANK" TOMATO

Earliest, smoothest, most productive and best early tomato, bright crimson, thick, smooth and firm with few seeds. Unusually heavy and of the finest quality. Keeps well; a good shipper; a prolific, continuous bearer. Resistant to wilt and other diseases.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

### BREAK O'DAY

A Tomato outstanding for its early maturity and productiveness. The fruits are almost round and have a bright orange-scarlet skin. The vine growth is moderate. The fruits are solid and heavy, with small seed-cavities. Pkt. 10c; oz. 60c;  $\frac{1}{4}$  lb. \$1.75.

### PRITCHARD (Scarlet Topper)

Wilt resistant, of the type of plant known as self-topping or self-pruning. Midseason to late and a heavy cropper. Fruits globe-shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15

### BEEFSTEAK or PONDEROSA

In addition to its ponderous size it is also very solid, there being but few seeds. In color it is a beautiful crimson throughout.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

### NEW STONE

This is one of the favorite late or main-crop Tomatoes, known for its productiveness. The fruits are large, smooth, and have a deep scarlet skin. It is a standard variety with truckers and canners who know that they can depend upon it.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

## TURNIP

**Culture**—For early use sow the small sorts as soon as the ground can be worked in the spring, in drills 14 inches apart, except in very dry weather. For fall and winter use, sow early kinds during July, August and September. As the seed is very fine, it should be covered but slightly. 1 oz. to 100 ft., 2-3 lbs. to acre.

**Purple Top White Globe**—The best all-around turnip for fall and winter use. Its beautiful color, pure white with purple top, combined with its smooth globe shape, fine sweet flavor and its wonderful productiveness put this turnip in the top class for market or home use. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00.

**Extra Early White Milan**—Among the earliest; roots clear white, smooth, flat and good quality. The best for early planting and late fall sowing.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 45c; lb. \$1.25

**White Egg**—Pure white, egg shaped; early.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c

**Pomeranian White Globe**—One of the most productive kinds, and in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape, skin white and smooth, leaves dark green and of strong growth. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00

**Large White Norfolk**—A white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy and may remain in the ground all winter. Yields very large. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00

**Yellow Aberdeen**—Round, medium size, light yellow. Produces a large crop, is hardy and keeps well, flesh very firm but tender and sweet. A great favorite with the dairymen. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00.

### DWARF CHAMPION

This is sometimes sold as the "Tree Tomato." It is a second early or main crop, purplish pink variety, especially desirable where garden space is limited. The vines are about two feet high, vigorous, upright and compact. The fruits are medium sized, exceptionally smooth and of very good quality.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

### JOHN BAER

One of our earliest and most profitable varieties. Fruit globe shaped, bright scarlet in color, good size, solid, coreless and with few seeds. Vigorous and prolific.

Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

### GOLDEN QUEEN

#### The Finest of the Large Yellow Tomatoes

The superior flavor of the yellow varieties is bringing them into favor as table fruit, and those who think of a yellow Tomato as the rough fruit of the old yellow sorts will be surprised at this smooth, beautiful fruit which though large, is as smooth and well-shaped as the best of the red varieties, and of a fine and distinct flavor. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50

## SMALL FRUITED

### YELLOW PEAR

Similar to the Yellow Plum, but the fruits have a slim neck or distinct pear shape. Per pkt. 10c; oz. 75c

### STRAWBERRY, or HUSK TOMATO

Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit. Pkt. 10c; oz. 75c.

### MIXED TOMATO SEED

This is unusually popular. We have sold thousands of packages of this mixture and find that our customers get a great deal of pleasure in growing these as it contains all sorts and colors, large and small. Try a package for 10c.

**Bortfeld (Long Yellow)**—Sometimes called long yellow Cow Horn. Pure yellow except a little shade of green at the top. Grows part out of the ground and is of very rapid growth, a heavy cropper and of delicious flavor. It has proven itself to be far superior to any turnip ever introduced for stock feeding as it is a heavy yielder and relished by all stock.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00

**Cowhorn**—Sometimes called long white. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00

**Orange Jelly or Golden Ball**—The best yellow sort for market or family use. Roots medium sized, round and smooth, with yellow skin and flesh. One of the best for winter keeping. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c.

## RUTABAGAS or SWEDES

**Culture**—Sow in drills, 3 feet apart; thin to 6 inches apart. May be planted from June 15th to July 15th. The later sowings produce the best quality.

### BUTZER'S BEST

This is a strain of Purple-Top Yellow Ruta Bagas of American origin, selected to a smaller top and a much shorter neck than is usually found, while the roots grow to a large size, and are of the finest quality and excellent for table use and stock feeding. We consider this one of the most desirable kinds on our list. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.00.



# OREGON GROWN ROSE BUSHES

"THE WORLD'S BEST"—ALL TWO-YEAR FIELD GROWN, BUDDED AND POSTPAID

No. 1 Grade—Selected Stock, 60c each, 12 for \$6.50

**Caution**—Unpack plants immediately upon arrival and place in container of water over night. Not longer. Plant out immediately if possible. If planting is done in the fall the plants may be left with their tops untrimmed until spring at which time they should be cut back to not more than six or eight inches above the ground. Do not use any fertilizer at time of planting.

**Angele Pernet**—Semi-double reddish apricot.

**Aspirant Marcel Rouyer**—Long shape bud, color deep apricot, tinted red.

**Augustus Hartman (H.T.)**—Brilliant geranium red flushed orange; very large, well-formed flowers.

**Austrian Copper**—Good old-fashioned roses. Single.

**Autumn**—Mingled shades of burnt orange and red.

**Betty Uprichard**—Buds coppery red. Flowers semi-double; salmon pink on inner surface of petals.

**Briarcliffe**—Buds of excellent form, bright pink.

**Chas. P. Kilham**—Buds unusually long and slender shades of oriental red and rosy orange.

**Chateau de Clos Vougeot (H.T.)**—A very rich, fiery scarlet shading to deep velvety crimson.

**Cheerful (H.T.)**—Color, rich orange flame over-spreading the petals.

**Constance (H.T.)**—Rich orange yellow, distinctly streaked and splashed with crimson, long pointed buds.

**Countess Clanwilliam (H.T.)**—Color delicate peach pink, flamed with deep cherry red.

**Cuba (H.T.)**—Semi-double, bright vermilion-scarlet.

**Dainty Bess**—Slender, rosy-salmon buds. Single.

**Dame Edith Helen**—Pointed buds which open slowly to large blooms of brilliant pink.

**Dorothy Page Roberts (H.T.)**—Coppery pink, suffused with apricot yellow.

**Duchess of Wellington**—Long saffron yellow buds, opening to very large, light yellow flowers.

**Edith Nellie Perkins**—Salmon-pink and cerise-orange. Buds long and pointed.

**E. G. Hill**—The most unfading of all red roses. Long lasting when cut.

**Etoile de Holland**—Brilliant red blooms with beautiful oval buds. Quite fragrant.

**Feu Joseph Looymans**—Long beautifully formed buds of apricot color, opening to golden buff.

**Frau K. Druschki**—Puer white, outer petals of buds occasionally tinged with pink.

**General Jacqueminot (H.P.)**—Rich, velvety crimson, changing to scarlet crimson.

**Golden Dawn**—Buds of rich straw yellow, opening to a beautiful well formed fragrant, double sunflower yellow.

**Golden Emblem**—Beautiful long buds of brilliant yellow striped with crimson on the outer petals.

**Golden Ophelia**—Deep golden yellow flowers of medium size.

**Gruss an Teplitz**—The old bedding rose. Always in bloom with its display of rich crimson.

**Hadley**—Rich crimson with velvety texture, very fragrant. Beautiful foliage and mildew proof.

**Heinrich Wendland**—A beautiful golden-yellow and vivid nasturtium red on opposite surfaces of the petals.

**Hoosier Beauty**—Long dark red buds opening to velvety red. Spicy fragrance.

**Imperial Potentate (H.T.)**—Rich, rosy carmine, fine buds, splendid cut flower, sweetly scented.

**Irish Elegance**—Long, beautiful buds of apricot, opening into a single flower.

**Irish Fireflame**—Rich deep orange, splashed with crimson. Single flower.

**Irish Hope**—A beautiful full bud opening into a rich red of perfect form. Delightfully fragrant.

**Isobel**—Flowers single and of a rich, flushed orange-scarlet changing to brilliant pink and copper.

**Joanna Hill**—A slender daintily colored variety of orange yellow. Moderately fragrant.

**K. A. Victoria**—Pearly white, tinted with lemon in center.

**Killarney Brilliant**—Rich glowing shade of rosy-carmine. Sport of the Killarney.

**La France (H.T.)**—A silvery rose, changing to pink. A general favorite. Sweetest of all roses.

**Lady Alice Stanley**—Very double flowers of light silvery pink, darker on the outside of the petals.

**Lady Ashtown**—Deep carmine-pink, shading to a yellow at the base of petals. Continuous bloomer.

**Lady Hillington (T.)**—Deep apricot yellow, long and pointed bud. Flowers are of good substance.

**Lady Inchiquin (H.T.)**—A vivid garden variety of solid color, orange-vermilion brillianced by cerise.

**Lady Margaret Stewart**—Buds of deep sunflower yellow, heavily veined with orange scarlet.

**Los Angeles**—Rich flaming pink, shaded golden yellow. The most popular rose grown.

**Louise Catherine Breslau (H.T.)**—Color a superb shrimp-pink shaded coppery-orange and chrome yellow.

**Lulu**—Dainty, extremely long buds of coral apricot with which the bush is covered at all times.

**Margaret McGredy**—Orange scarlet or brick red. Beautiful foliage and stout stems.

**Mary Pickford (H.T.)**—A rose of the same type as Souv. de Claudius Pernet, but much deeper in color.

**McGredy's Scarlet**—Brilliant red petals on hinges of deep gold. An exceptionally fine rose.

**Miss Lolita Armour (H.T.)**—Color rich chrome yellow, shaded to coppery orange.

**Miss Willmott (H.T.)**—Color, soft sulphury cream, with the faintest flush of pale pink at the edges.

**Mme. Butterfly**—A brilliant pink suffused apricot and gold. Very sweet-scented.

**Mme. Edouard Herriot**—A pure coppery color, with buds of coral red, shaded with yellow at the base.

**Mme. Jules Bouche**—White, lightly tinted with pink at the center.

**Mrs. Aaron Ward**—Indian yellow, washed salmon rose; buds small but beautifully formed.

**Mrs. A. R. Barraclough (H.T.)**—Large, pointed buds; bright watermelon pink with yellow base.

**Mrs. A. R. Waddell (H.T.)**—Large, long pointed buds of a bright rosy scarlet.

**Mrs. Dunlop Best (H.T.)**—Pointed saffron-yellow buds, with dull apricot shadings, opening to rich, reddish apricot flowers of great beauty.

**Mrs. E. P. Thom**—Has well formed buds and fairly large, double flowers of clear, even yellow.

**Mrs. Henry Bowles**—Warm pink flushed with salmon. In constant and profuse bloom.

**Mrs. John Laing (H.P.)**—Immense blooms of soft, clear pink, very fragrant on stiff, stocky stems.

**Mrs. Sam McGredy**—Large double bloom of orange salmon, with a suffusion of gold.

**Nona**—The blooms are semi-double, of rich vermilion and flame-pink.

**Norman Lambert**—Salmon orange suffused bronze, shading to yellow at the base.

**Old Gold**—Coppery red; a very fine and popular rose.

**Olympiad**—Rich oriental velvety scarlet with golden base.

**Ophelia**—Flesh pink, shaded with rose. Large beautifully formed buds.

**Padre**—Rich coppery scarlet. Semi-double flowers borne on long erect stems.



# OREGON GROWN ROSE BUSHES

**President Hoover**—Combines many shades of cerise-pink, flame, scarlet, and yellow. Long, beautifully formed buds.

**Red Letter Day**—Brilliant glowing crimson scarlet, opening into medium-sized cactus-shaped flower.

**Rev. Page Roberts**—Soft buff yellow to a rich salmon. Very free blooming low bush.

**Rudolph Valentino**—Delicately scented rose of a lovely shade of shrimp-pink with golden suffusion.

**Shot Silk**—Gold and orange buds opening to semi-double flowers of coppery rose shot with golden yellow.

**Souv. de Claudius Pernet**—Long-pointed buds of sunflower-yellow.

\***Sunburst**—Yellow shaded orange.

**Ulrich Brunner**—Immense big blooms of a bright cherry-red shade with a lovely rich fragrance.

**Villa de Paris**—An excellent deep yellow.

## BABY RAMBLER AND POLYANTHA ROSES

Each 60c, postpaid

A type of roses which grow only a foot or two high, bear large clusters of flowers possessing great lasting qualities, and are always in bloom. They are fine for massing beds, for bordering rose beds or planting singly on the lawn. Perfectly hardy.

**Cecile Brunner** (The Fairy, or Sweetheart Rose)—A Polyantha variety with dainty double little flowers of perfect form produced in many flowered, graceful sprays; color a soft rosy-pink on a rich creamy-white ground.

**Ellen Paulsen**—The brilliant rose-pink flowers are much larger than the Baby Rambler type of Polyantha Roses.

**George Elger**—A lovely little golden-yellow Polyantha Rose, with good admixture of Tea blood; like all of its class, it is free in growth, free in bloom with small, glossy foliage.

**Golden Salmon**—A most striking recent introduction, distinct and novel in color, a brilliant golden-orange scarlet, always in bloom and greatly admired.

**Ideal**—Ideal indeed for edging or for making a brilliant bed of rich, lustrous garnet, blooming continuously all summer and until frost. The color is retained remarkably well until the flowers drop.

**Miss Edith Cavell**—By all means the best of its color, which is a brilliant scarlet held right through until the flowers drop off.

## SELECTED CLIMBING ROSES

Each 60c, postpaid

Climbing roses are again very popular. They are easy to grow. Plant them in a sunny location, enrich the soil with well rotted manure or a good commercial fertilizer and keep the soil cultivated around them.

Cl. Claudius Pernet, yellow.

Cl. Sunburst, golden yellow.

Cl. Md. Caroline Testout, pink.

Cl. Crimson Rambler, crimson.

Cl. Mme. E. Herriott.

Cl. Hadley, crimson red.

Cl. President Hoover.

Cl. Paul's Scarlet.

Cl. Los Angeles.

Cl. Hillingdon.

Cl. La France.

Cl. Primrose,

primrose yellow.

Cl. Talisman.

Cl. Mrs. Aaron Ward.

### ROSE BUSHES

Send for the Color Folder

Containing 46 New and Patent Varieties

Space would not permit us to list them

## HARDY CLIMBING VINES

Vines are useful in many ways. They give quick results when planted on a new place, before trees and shrubs become established. For covering fences, rocks, walls, banks and trellises, they are peculiarly adapted. A porch without a vine is desolate and incomplete.

**Scarlet Trumpet Honeysuckle** (L. Sempervirens)—One of the handsomest in cultivation; a strong, rapid grower; flowers a bright scarlet, not much odor. Nice plants, each \$1.00.

**Hall's Japan Honeysuckle** (L. Halleana)—A strong, vigorous vine with pure white flowers, changing to yellow; foliage remains green well into winter; very fragrant and covered with flowers almost the entire season; one of the best bloomers. Large plants, each \$1.00.

**Veitchi** (Boston or Japan Ivy)—The now famous Japan or Boston Ivy used so extensively to cover brick or stone buildings. The foliage is dense, completely carpeting a surface, and the autumnal tints of green and red are unsurpassed for beauty. Large plants, each \$1.00.

**Chinese Purple Wisteria** (W. Sinensis)—One of the best of the Wisterias; rapid growing and elegant, attaining 15 to 20 feet in a season; flowers a pale-blue, borne in long pendulous clusters in May and June. Large plants, each \$1.75.

**Quinquifolia** (Virginia Creeper)—Eastern U. S. common American Ivy; luxuriant foliage, assuming gorgeous colors in autumn. Large plants, each 75c.

**Clematis Jackmani**—This variety is better known than any other, and still stands as one of the best. It is a strong grower, and produces a mass of intense violet-purple flowers four to six inches in diameter; from July to October. Each \$1.00.

**Firethorn**—Good variety to plant next to your home, very hardy orange colored berries. Beautiful in fall and early winter. Green foliage. Large plants, ea. \$1.25.

## FLOWERING SHADE TREES

The varieties of flowering shade trees which we have listed here are suitable for either east or west of the Cascade mountains. All are good and hardy and will stand zero weather.

**Tulip Trees**—These have a very large leaf. Trees aren't very fast growing. 3-4 ft. \$1.25.

**Biriana Plum**—Purple leaf plum, a beautiful flower in the spring. 3-4 ft. 75c; 4-6 ft. \$1.00.

**Triloba Flowering Plum**—Purple leaf all summer and a small rose flower in the spring. 3-4 ft. 75c; 4-6 ft. \$1.00.

**Flowering Crabs**—Five varieties. Neidzwetskyana (red vein, red blossom), Bechtel (delicate pink), Scheideckeri (double pink), Carmine (brilliant red), and Medevinski (purple colored flower, fine). 3-4 ft. \$1.00.

**Prunus Pissardi**—This has purple leaf all summer, is the oldest type of purple leaf tree. Beautiful upright shape. 3-4 ft. 75c; 4-6 ft. \$1.00.

**Flowering Peach**—Red or pink. 3-4 ft. 75c; 4-6 ft. \$1.00.

**Flowering Quince**—2-3 ft. \$1.00.

**Japanese Weeping Cherries**—Beautiful trees. Single and double varieties; selected trees. 5-6 ft. \$1.60; 6-7 ft. \$1.80; 7-8 ft. \$2.20. Select 6-year old trees, each \$4.50.



# GLADIOLUS

## A Selected List of Choice Named Varieties

The following is a selected list representing all types and colors. The hybridists have succeeded in producing a thing of great beauty in the modern Gladiolus, combining length of spike with beautiful symmetry and size of the individual blooms.

**Aida (Pfitzer)**—Deep blue with small reddish blotch. Early and large. Each 5c; doz. 40c.

**Albatros (Pfitzer)**—Large pure white with 6 to 8 blooms open. Blooms have a tendency to face up in the so-called lily form. Each 5c; doz. 40c.

**Ave Maria (Pfitzer)**—Medium blue with small purplish blotches. Each 5c; doz. 40c.

**Bagdad**—An unusual rich deep smoky old rose. Each 5c; doz. 45c

**Berty Snow (Mair)**—Pinkish lavender often flecked darker. Quite popular. Each 5c; doz. 40c.

**Betty Nuthall (Salbach)**—Warm coral pink with pale yellow throat markings and a slight tinge of orange. Each 5c; doz. 35c.

**Bill Sowden (Fallu)**—Immense massive somewhat ruffled deep blood red. Usually flaked darker. Every one should grow it. Each 6c; doz. 50c.

**Blue Triumphantor (Pfitzer)**—Immense very light silvery blue blooms with small dark blotch. Attractive. Each 6c; doz. 50c

**Bonneville**—Outstanding deep pink, yellow throat. Each 5c; doz. 45c

**Byron L. Smith (Kunderd)**—One of the best; most refined lavender pink on white ground; extra fine as a cut flower. Each 4c; doz. 35c.

**Commander Koehl (Pfitzer)**—Large clear blood red. Tall straight spike. Each 5c; doz. 40c.

**Coryphee (Pfitzer)**—The most beautiful cameo pink Glad in existence. Each 5c; doz. 40c.

**Debonair (Palmer)**—LaFrance pink shading to shrimp pink with creamy throat. Medium large blooms. Each 5c; doz. 40c.

**Dr. F. E. Bennett (Diener)**—Fiery scarlet with white lines in the throat. Each 5c; doz. 40c.

**Dr. Moody (Kinyon)**—Very beautiful shade of lavender. Long spikes. Each 5c; doz. 35c.

**Evelyn Kirtland (Austin)**—A wonderfully graceful flower of bright coral pink. Each 4c; doz. 35c.

**Gate of Heaven**—Choice deep yellow, large flowers, very sturdy plant. Each 5c; doz. 45c.

**Giant Nymph (Coleman)**—Unusually large light pink. Extra good cut flower. Each 4c; doz. 35c.

**Gloriana (Betscher)**—Rich salmon pink with creamy throat. Extra nice. Each 5c; doz. 35c.

**Golden Dream (Groff)**—Beautiful clear deep medium size yellow with five or six blooms open. Tall strong grower. Each 4c; doz. 35c.

**Heavenly Blue (Pfitzer)**—A light blue on a stately spike. Good color for floral work. Each 6c; doz. 50c.

**Hinemoa (Doney)**—Smoky rose with yellow throat. Very odd and bizarre. Each 7c; doz. 60c.

**Joerg's White (Joerg)**—Immense creamy white blooms on a good spike. Each 6c; doz. 50c.

**Los Angeles (Houdyshel)**—Beautiful shade of shrimp pink. Very early. Each 5c; doz. 35c.

**Maid of Orleans (Pfitzer)**—Beautiful milky white with cream throat. Each 5c; doz. 40c.

**Margaret Fulton (Ogrodnichuk)**—Early. Clear rich soft dark salmon. Each 5c; doz. 40c.

**Marocco (Pfitzer)**—Large maroon, almost black. Six large blooms at a time. Each 5c; doz. 40c.

**Mildred Louise (Wentworth)**—Prevailing color a pure strawberry pink blending to pinard yellow in throat. Each 5c; doz. 40c.

**Minuet (Coleman)**—Wonderfully beautiful clear light pinkish lavender; five to seven heavily textured blooms open at once. Each 5c; doz. 40c.

**Mother Machree (Stevens)**—Unusual tall lavender orange overcast with grey. Each 6c; doz. 50c.

**Mrs. Leon Douglas (Diener)**—Begonia rose striped with scarlet. Magnificent spikes. Each 5c; doz. 40c.

**Mrs. Von Konynenburg (Pfitzer)**—Good light blue, nice tall spike. Each 4c; doz. 35c.

**Pelegrina (Pfitzer)**—Large dark blue. Six or more perfectly placed blooms open with most of the remaining buds showing color. Each 5c; doz. 40c.

**Pfitzer's Triumph (Pfitzer)**—Large salmon scarlet. Wide open flowers. Attracts attention wherever shown. Each 5c; doz. 40c.

**Picardy (Palmer)**—A sensation. A Canadian variety of great beauty. Soft shrimp pink. Blotch of light flesh pink. Each 5c; doz. 35c.

**Primrose Princess (Salbach)**—Fairly tall clear primrose yellow. Lower petals darker. Long spike of well placed blooms. Each 5c; doz. 35c.

**Prince of Wales (Alkemade)**—A very attractive salmon pink and extra early. Each 4c; doz. 35c.

**Rose Ash (Diener)**—Pastel shade, ashes of roses. One of the most popular of the older smokies. Each 5c; doz. 35c

**Ruffled Gold (Goodrich)**—Ruffled golden yellow. An early flowering variety. Very pretty. Each 4c; doz. 35c.

**Salbach's Pink (Salbach)**—Large wide open geranium pink. Very satisfactory. Each 5c; doz. 40c.

**Senorita (Salbach)**—A clear wide open orange, lower petals a bright orange yellow penciled with scarlet. Very attractive. Each 5c; doz. 40c.

**Shirley Temple**—Immense ruffled cream, tall spike with many open blooms. Each 10c; doz. \$1.00.

**Smiling Maestro (Christ)**—Large deep salmon rose flaked darker. It is one of Mr. Christ's very best varieties. Each 6c; doz. 50c.

**Victor**—Large bright scarlet with striking white throat. Each 5c; doz. 45c.

**White Butterfly (Kunderd)**—The best and most dainty pure white Prim. Each 4c; doz. 35c.

**Yvonne (Krelage)**—Blush white with soft cerise spot in the throat. Large blooms. Each 5c; doz. 50c.

## BUTZER'S "ROSE CITY"

Mixture of Large Flowered

## GLADIOLUS

All Extra Selected Large Bulbs

No Second Size

We have assembled an assortment of distinct choice named varieties into a carefully distributed mixture. This collection is entirely our own, in which we take a reasonable pride.

By MAIL, 40c per doz; \$2.50 per 100.

By EXPRESS, \$2.00 per 100; \$15.00 per 1000.

250 at the 1000 rate.

## BUTZER'S Dollar Assortment

of Gladiolus

# 80 ASSORTED BULBS FOR \$1

These are Medium or Flowering size bulbs of the finest named varieties only. Each assortment put up separate by hand containing from 1 to 5 bulbs each of 20 different varieties, 80 bulbs in all, but none labeled. Not a cheap mixture, but a collection of the best, priced so that you can afford to plant them liberally, and still have something really choice. All will bloom splendidly for anyone, and will make extra large bulbs for next year. We guarantee them to please you. If not, return them next fall and your money will be cheerfully refunded. We send cultural directions with each order.



# FRUIT TREE DEPARTMENT

## APPLES

	Each	10
2-year-old .....	\$.60	\$5.00
1-year-old, 3 to 4 feet .....	.40	3.50
1-year-old, 4 to 6 feet .....	.50	4.00

### SUMMER VARIETIES

#### GRAVENSTEIN

Large, beautifully dashed with deep red and orange; tender and crisp. August.

#### RED ASTRACHAN

Large, deep crimson, flesh white, moderately juicy.

#### DUCHESS OF OLDENBURG

Season, July and August. Fruit large, greenish yellow with red stripes. Flesh light yellow.

### WINTER VARIETIES

#### ARKANSAS BLACK

Medium round; yellow where not covered with a beautiful dark maroon.

#### BALDWIN

Large, rounded; bright red; very productive; crisp, fine flavor. November to February.

#### DELICIOUS

Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy. November.

#### NORTHERN SPY

Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid. December.

#### ROME BEAUTY

Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November.

#### SPITZENBERG

Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy. November.

#### STAYMAN WINESAP

A seedling of the Winesap. Yellow striped with red.

#### WINTER BANANA

Fancy market fruit; pale yellow with pink blush, suggestive banana flavor. November.

#### YELLOW NEWTOWN PIPPIN

Large; skin smooth, golden yellow; flesh firm, crisp, juicy. December.

#### JONATHAN

Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollinizer with Spitzenberg and Newtown. October to January.

#### KING

Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

## CRAB APPLES

Nice stocky trees, each 60c

For preserving, jellies and ornament. All are unequaled for cider or vinegar. The trees are noted for their hardness and vigor and usually bear the second season after planting.

#### HYSLOP

Large, deep crimson; tree hardy, fine for the West. November, January.

#### RED SIBERIAN

Yellow with scarlet cheek. Bears young and abundantly. September.

#### TRANSCENDENT

Very large, pleasant flavor and good for cider; yellow striped red. Very productive. Adapted to Montana. September.

## NECTARINES

Selected Trees 75c Each

The Nectarine has a smooth skin like the plum. It is like the peach in other ways and requires the same culture. Pungent, sprightly flavor.

#### BOSTON

Large, deep yellow, bright flush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

#### EARLY VIOLET

Medium; skin pale, shaded violet; flesh white; good. July.

## APRICOTS

	Each	Per 10
4 to 5 feet .....	\$.60	\$5.50
3 to 4 feet .....	.50	4.50

#### BLENHEIM

Deep orange, sometimes blushed; tender, rich and juicy. Last of June.

#### LEWIS

The new Lewis Apricot is the largest, best yielding, best flavored apricot. July, August.

#### MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange. July, August.

#### ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

#### TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

#### SOUTHWICK

Another new apricot. It tops them all. This apricot has proven out where others fail. Each \$1.00.

### SOUR CHERRIES

Nice Tree, Each 60c

#### EARLY RICHMOND (Kentish)

Medium, dark red, melting, juicy, sprightly, rich acid, best. A dependable cropper. June.

#### ENGLISH MORELLO

Fair size, blackish red, rich acid, juicy, good. Aug.

#### LARGE MONTMORENCY

Large, red, productive, ten days later than Early Richmond. Late June.

#### MAY DUKE

Large, red, juicy, rich; its acidity pleasantly tempered to the advantage of sensitive teeth. June.

## CHERRIES

Sweet varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The Sour varieties are dwarf and bushy, bear earlier, and are more largely planted. Set trees 15 to 18 feet apart.

	Each	Per 10	Per 100
3 to 4 feet .....	\$.60	\$5.00	Special price
4 to 6 feet .....	.70	5.75	Special price

### SWEET CHERRIES

Two-year-old 75c

#### BING

Fruit large, dark brown or black; very fine; late; good shipping variety. July.

#### BLACK REPUBLICAN (Lewelling)

Black, sweet, with purplish flesh; late and a good shipper. June.

#### BLACK TARTARIAN

Largest size. Flesh purple. Crisp, tender and juicy. Late May.

#### GOLD CHERRY

A new sweet cherry, fine for preserving or Maraschino.

#### LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

#### ROYAL ANN

(Napoleon Bigarreau).—A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.



## PRUNES

	Each	Per 10
3 to 4 feet .....	\$ .50	\$3.75
4 to 6 feet .....	.60	4.75

Italian (Fallenberg)—Medium, oval tapering at both ends; dark purple; flesh greenish yellow.

Improved Petite—Medium size, egg-shaped; violet purple; sweet, rich and sugary; very productive.

Silver—Very large.

Hungarian—Very large, dark red.

Giant—The largest, dark crimson.

New Standard—(Burbank Production)—Skin purple, with a heavy blue bloom; flesh amber or honey yellow, fine grained, juicy, yet firmer than most other drying prunes, very sweet and a perfect freestone.

Coates 1418 (Also known as Date and Saratoga)—This is a sweet prune, nearly as large as Italian. A good dryer, drying out heavier per bushel than the Italian.

Sugar Prune—A large, dark purple, very sweet prune. A good home fruit.

Imperial—Large, sweet, reddish purple, good quality. This is a good pollinizer for other prune trees.

## PLUMS

	Each	Per 10
4 to 5 feet .....	\$ .60	\$5.25
3 to 4 feet .....	.50	4.50

### ABUNDANCE

Fruit large and beautiful; bright cherry; flesh light yellow; juicy, tender, sweet; productive; freestone. June.

### BURBANK

Medium; globular; cherry red, with lilac bloom; flesh yellow; bears very young. Late June.

### DAMSON—SHROPSHIRE

Medium size, dark purple; very firm; flesh greenish, juicy and rich. Vigorous. Late September.

### GREEN GAGE

Small round; flesh pale green, melting and juicy; freestone. Mid-July.

### PEACH

Very large; skin brownish red, slightly coarse grained, but juicy; freestone; very popular. July.

### SATSUMA (Blood Plum)

Quite popular, large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

## PEARS

### Delicious for Eating and Canning

The Pear tree will grow on almost any good soil, but thrives best in a rather heavy clay or loam.

	Each	Per 10
4 to 5 feet .....	\$ .60	\$6.75
3 to 4 feet .....	.50	4.00
2-year-old .....	.75	7.25

## SUMMER AND AUTUMN VARIETIES

### BARTLETT

Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence. August, September.

### BOSC

Large, beautiful, russety; highly flavored; fine for shipping. September.

### BEURRE D'ANJOU

Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

### COMICE

A splendid commercial variety, being of fine size; good appearance; ships well. October.

## PEARS

### WINTER VARIETIES

#### WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit.

#### WINTER NELIS

Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor.

## PEACHES

	Each	Per 10
First Grade, 4 to 6 feet .....	\$ .60	\$4.75
First Grade, 3 to 4 feet .....	.45	3.75

Write for special price on larger quantities are wanted.

#### EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

#### EARLY ELBERTA

Ripens about a week earlier than Elberta; otherwise the same or a trifle better.

#### ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

#### J. H. HALE

A valuable table, shipping and drying peach. Smooth skin, almost fuzzless. Very firm. Ships almost like an apple. Yellow freestone; flesh tender, excellent quality. Larger than the Elberta and ripening about the same period.

#### LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

#### MAYFLOWER

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Freestone.

#### MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

#### SALWAY

Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet; a standard late peach, growing more and more in favor with orchardists; freestone. Late September.

#### TUSCAN CLING

Very large; yellow, blushed red. Vigorous and strong grower. July and August.

## QUINCES

### Fine for Sauce.

The Quince crop is usually reliable, and in good market demand. The fruits are quite fragrant, and the trees and bloom highly ornamental.

First Grade, 4 to 6 feet, each 60c

### CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

### PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

### ORANGE

Large roundish, somewhat irregular with a small and short neck at the base; fine golden yellow flesh and of excellent flavor.



## THE NEW BOYSENBERRY

Now we are offering you the Boysenberry which is superior to Youngberries and other berries.

The finest vine berry yet developed. An enormous berry with a flavor you can't forget. Plant a few Boysenberries. You will be surprised at this wonderful berry. Plant 4 feet apart in rows 6 feet across.

Price, each 15c; 10 for \$1.00; 100 for \$7.00.

## YOUNGBERRY

Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored, very productive berry.

They are very strong growers and should be trellised. A very simple trellis is all that is required. Plant eight feet apart in rows seven feet across. About 800 plants per acre.

Prices—Each, 15c; 10, \$1.00; 25, \$2.00; 50, \$3.00; 100, \$5.00.

## CURRANTS

Each 15c; 10 \$1.25

Perfection—New; largest and most prolific currant; bright red, rich flavor, mild sub-acid; no currant can approach it in yield.

Cherry—Very large, deep red, fine for preserving; valuable market variety.

Fay's Prolific—Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties.

## GOOSEBERRIES

Each 15c; 10 \$1.25

### OREGON CHAMPION

Berries very large, pale green color; and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

## RED RASPBERRIES

St. Regis (Ranere)—Known as the Everbearing Raspberry because of its long season. Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow falls. Berries bright crimson, large size, rich, sugary. Each 15c; per 10, \$1.25, postpaid

Cuthbert ("Queen of the Market.")—A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

Special low prices by the thousand. Write.

	Each	Per 10	100
1 year .....	\$.10	\$.75	\$3.00

## BLACK RASPBERRIES

Cumberland—A healthy, vigorous grower, large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Munger—Large, black, hardy and productive. One of the very best.

	Each	Per 10	100
2 years .....	\$.25	\$2.25	\$20.00
1 year .....	.20	1.50	12.50

## LOGANBERRY

Transplants (2 year, extra strong)—Prices, each 25c; doz. \$2.25, postpaid. Not prepaid, each 20c; doz. \$2.00.

## PLANTING INSTRUCTIONS

**Planting Season**—Stock should not be planted until dormant in the fall nor after growth starts in the spring. Under ordinary weather conditions therefore our digging and shipping season begins in late October and continues until early May, the winters generally being sufficiently mild to permit safe handling of nursery stock, with but few short interruptions. Early fall planting is preferable as a rule as roots form all winter and stock is ready to grow as soon as warm weather begins.

It is advisable to order early, as a better selection and more complete assortment can be had. Orders placed early are generally planted early. Orders can be placed early with instructions to ship at a given time, when you are ready to plant.

## CARE OF TREES ON ARRIVAL

In case you do not immediately plant the trees, it will be well to heel them in, namely, to bury the roots in the ground to keep them fresh and from being frozen.

In doing this dig a trench long enough and wide enough to hold the trees you have; cut the bottom string on the bunches, place them in the trench, spreading the trees so as to have the dirt worked in, leaving no exposed places. The tree should NOT be laid down at an angle of 45 degrees, but should be stood straight up, for a lot of nursery stock is injured by being heeled-in in a reclining position, for many times the dirt from the trench is left under the trees which are close to the ground. This dirt is still warm, or warm enough to make the sap in the trees active and if there should be frosty weather in a short time after the trees have been heeled-in in a reclining position the sap will be frozen, resulting in soured sap and a lasting injury to the tree and you will also be writing in to the nursery that the stock was diseased, etc., when the cause was really wrong methods of heeling-in. We do not mean to infer that to heel-in in a reclining position will always result in damage, but do mean to infer that you are flirting with disaster, if it is done. Be sure and bury the roots plenty deep, anyway 16 to 18 inches.

**In Planting:** Do not plant too deep, but about an inch or two deeper than they grew in the nursery. This may be determined by the color of the bark above the roots, showing where the ground line came. Have the holes wide enough so as to hold the roots without crowding. Tramp well after a couple of inches of dirt have been put in, etc., until the hole tramped. In late spring planting, if a bucket of water could be thrown in when the hole is half filled with dirt it would be very beneficial.

Do not plant or expose the roots when it is freezing. That is, do not start planting frosty mornings or until it starts to thaw, and do not leave the trees you have not planted during the day outside and take a chance on it freezing until you start planting again the next morning. For if the exposed roots are caught in a frost, the chances are that they will not grow and you might think you had been swindled by your nurseryman, while it would only be through your own negligence in not taking care of the trees during planting operations.



## REMEMBER—It is Not a Home Until It is Planted DECIDUOUS SHADE TREES

We have a fine assortment of shade trees. All are good hardy varieties of trees that will do real well east or west of the Cascade mountains. The varieties we have selected and which we grow are the best for both localities.

**American Linden.** 4 to 6 ft. \$1.00; 3 to 4 ft. 85c.

**Hawthorne (Paul's Scarlet)**—A small erect tree with bright scarlet flowers, followed by dull red berries. 3-4 ft. 75c; 4-6 ft. 90c; 6-8 ft. \$1.25.

**Horse Chestnut**—A handsome tree of regular form with showy foliage and covered in the spring with panicles of white flowers marked with red. 6-8 ft. \$1.75.

**Norway Maple**—A large handsome tree, with broad, deep green foliage; has a very compact growth; a valuable tree for parks, lawns or streets. 4-6 ft. 90c; 6-8 ft. \$1.20.

**Common Black Locust**—A rapid growing tree; will thrive in any soil; flowers in long pendulous racemes, white and fragrant. 4-6 ft. 80c; 6-8 ft. \$1.00.

**Carolina Poplar**—Very strong growing tree of broad, columnar shape. Does not produce the annoying "cotton" of the native cottonwoods. 6-8 ft. \$1.00; 8-10 ft. \$1.25.

**Lombard Poplar**—In shape this is the exclamation mark among trees. Its towering spire has an individuality all its own. For tall screens and backgrounds, this tree is admirable. 6-8 ft. \$1.25; 8-10 ft. \$1.50.

**Oregon Maple**—A most graceful tree, with wide-spreading branches and large foliage. Very rapid growth. 6-8 ft. \$1.25.

**Western Catalpa**—Western variety, rapid growth, a very large leaf. It also is hardy and will stand below zero weather. 3-4 ft. \$1.00; 4-6 ft. \$1.25; 6-8 ft. \$1.50.

**American Elm**—A magnificent tree growing 80 to 100 ft. high, with drooping, spreading branches; one of the grandest of our native trees; makes a beautiful lawn or street tree. 6-8 ft. \$1.25; 4-6 ft. \$1.00.

**Cut Leaf Weeping Birch (White)**—One of the best shade trees for lawn and street. 3-4 ft. 90c; 4-6 ft. \$1.20; 6-8 ft. \$1.60.

**Japanese Flowering Cherry**—Wonderful tree for specimen or group planting. The large, double pink, long-stem flowers borne in large clusters enable this tree to stand out as one of the best flowering trees. 3-4 ft. \$1.00; 4-6 ft. \$1.25.

**Sycamore Maple**—Extra large foliage, very hardy. 6-8 ft. \$1.50; 4-6 ft. \$1.25; 3-4 ft. \$1.00.

**Russian Mulberry**—These are a fine shade tree, medium size, leaf quick growing. 3-4 ft. 90c; 4-6 ft. \$1.25.

**Sugar Maple**—A very fine upright growing tree; makes wonderful shade. 3-4 ft. 85c; 4-6 ft. \$1.25.

**Chinese Elm**—One of the fastest growing trees, small leaf, a beautiful tree for quick shade; it is ornamental. 3-4 ft. 75c; 4-6 ft. \$1.00; 6-8 ft. \$1.50. Write for quantity prices.

**Weeping Willow**—Green variety, the one mostly planted. A beautiful fast growing tree, will grow most any place. 4-6 ft. \$1.20; 6-8 ft. \$1.50.

**European White Birch**—A slim shade tree, dark green leaf, for yard or lawn. 4-6 ft. 90c; 6-8 ft. \$1.25.

**Mountain Ash**—This is a beautiful tree for your home, either front or back yard. It has a red berry in the fall and winter. 4-6 ft. \$1.00; 6-8 ft. \$1.50.

**Red Bud**—Shade. Produces mass of rosy-pink flowers. Early spring. 2-3 ft. \$1.00; 3-4 ft. \$1.25.

**Boxelder**—This is the old time box elder. Fast growing. 3-4 ft. 75c; 4-6 ft. \$1.00.

## NUT TREES

### GRAFTED FRANQUETTE WALNUTS

We offer a splendid strain of Franquettes, the best variety for this section, grafted on four-year California Black Walnut—sturdy, thrifty trees with big fibrous roots. The best to plant. Comes to bearing much younger than seedling walnut.

These are too large to be sent by parcel post.

Size	Each	Dozen lots
8 to 10 feet	\$1.75	\$1.65
6 to 8 feet	1.50	1.40
4 to 6 feet	1.30	1.20

### FILBERTS

Plant more of them

**Barcelona**—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. 2 to 3 feet. Each 75c; 10, \$6.00

**Du Chilly**—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by  $\frac{3}{4}$  of an inch; full fleshed and sweet; best grown as low standard. Special prices on large orders. Du Chilly is a good pollenizer for Barcelona. 2 to 3 feet. Each 75c; 10, \$6.00.

## GRAPE VINES

One-year-old, each 20c; 10, \$1.50, postpaid  
Write for special price in larger quantity.

### CAMPBELL'S EARLY

Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

### CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

### NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

### WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.

### A New Grape for the Northwest CROATIAN BLUE

Here is an imported grape that likes the Oregon climate. Last year on a branch 21 inches long were 10 pounds of largest, finest and sweetest grapes we ever saw. These are grown by P. Pinterich of this city. He tells us that these grapes grow as well here as they did in the old country. Price, while they last, 30c each; 10 for \$2.25, postpaid.



# LILLY'S Morcrop Fertilizers



## LILLY'S LAWN MORCROP

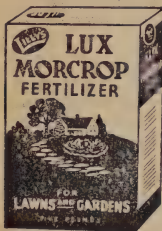
A quickly available lasting summer fertilizer for lawns, keeps grass in a vigorous growing condition throughout the entire growing season. 25 to 40 pounds applied per 1000 square feet at intervals of 6 to 8 weeks proves to be effective and economical. Not unpleasant to apply by hand and feeds evenly through any spreader. Lawn Morcrop is made on a humus base which helps to build up the soil and stimulates the activity of beneficial soil bacteria necessary to a deep resilient turf. Packed only in 50-lb. bags.

Each \$1.50, f.o.b. Portland



## LILLY'S LUX MORCROP

A very well balanced "All Purpose Fertilizer" for general use around the home. High enough in nitrogen to produce a vigorous growth and properly balanced as to phosphates and potash to provide the substance to carry crops to maturity. Nothing excels it for general use on lawns, flowers, fruits, berries and shade trees. If your potatoes have been small, your berries inclined to be seedy, and your truck or vegetable crops have lacked that punch along toward the end of the season, which you know is necessary to get the finest quality, then you should begin using Lux Morcrop. It is rich in plant food, containing 5% nitrogen, 6% phosphates and 8% potash, and is prepared in perfect mechanical condition so that it feeds readily through any type of fertilizer distributor. 5-lb. carton 35c; 10-lb. cartons 60c; 25-lb. bags \$1.50; 50-lb. bags \$2.00; 100-lb. bags \$3.50.



## ACID MORCROP

A special formula developed by Robert Moulton Gatke of Willamette University for acidifying soils so that acid loving plants such as rhododendrons, camellias, heathers, azaleas, mountain laurels, andromedas, huckleberries, blueberries, native ferns, etc., could be successfully and easily grown in every city garden. Packed in 5-lb. cartons 50c; 25-lbs. \$2.00; 100 lbs. \$6.00.

## LILLY'S GO-WEST BAIT

With Metaldehyde



This product is a specific eradicator for strawberry root weevil, black vine weevil, vegetable weevil, cut-worms and many other garden pests, which has given unfailing service to many berry growers of the great Pacific Northwest for the past ten years. Being made of flakes of sweet apple to attract the pests, impregnated with an effective poison, it remains effective for many days—rain or shine. 100 pounds will bait an acre of crop. For the small user, who wishes to rid the garden around the home of slugs, snails, cut-worms and leaf eating insects, here is an easy-to-use bait that will give satisfactory results. Complete instructions accompany every purchase. 1 lb. 25c; 10 lbs. \$1.50; 50 lbs. \$3.50.

## MORCROP FOR FARM AND GARDEN USE

Morcrop is the brand name for the complete fertilizers manufactured by the Chas. H. Lilly Company. There are offered under this brand a number of different formulas in which the content of the three principal elements, nitrogen, phosphoric acid and potash, is varied in proportion to the requirements of the crop for which they are intended and to balance the constituents in the soil to which they are applied. Some of these formulas are: 3-10-7; 3-10-10; 5-6-8; 5-10-10; 6-10-4; 3-10-20; 5-5-10; 4-12-4; the figures indicating in each case nitrogen, phosphoric acid and potash in the order named. All of these are packed in red and blue striped multi-wall paper bags. Write for prices.

## MORCROP TABLETS FOR MILADY'S HOUSE PLANTS

Highly concentrated, complete fertilizer in tablet form for convenient application. Odorless, clean and quickly water soluble. The action is rapid and both foliage and bloom is improved. Equally effective in the garden. Pkg. 10 tablets 10c; 30 tablets 25c; 250 tablets \$1

ABOVE PRICES F.O.B. PORTLAND





## New Convenience..Same Amazing Results...

is the good news Swift brings to you who want beautiful house plants. Vigoro, the complete 11-element plant food is now available in convenient tablet form. Order a box ...24 tablets... 10c



## Good Seed and Good Plant Food *go hand in hand!*

We ship you only high-quality seed of strong vitality and high germination. After the seed germinates and the plants develop feeding roots, much of future growth and blooming depends on the nourishment they can get from the soil. To be certain that young plants will have all the 11 elements needed for finest growth and bloom, we recommend the use of Vigoro, the Complete Plant Food.

Vigoro is the plant food made by Swift especially for home gardeners. It contains all 11 of the elements scientists have proved plants must get from the soil.

Get enough Vigoro now to feed your lawn, flowers, shrubs, trees, and vegetables. Order 4 pounds for every 100 square feet of lawn and garden area. You'll find Vigoro the most economical as well as the most satisfactory plant food you've ever used.

# VIGORO

## Complete plant food

100-lb. bag.....	\$3.50	10-lb. pkg.....	\$.70
25-lb. bag.....	1.40	5-lb. pkg.....	.45
50-lb. bag.....	2.30	1-lb. pkg.....	.10

F.O.B. Portland

## FERTILIZERS

FEED THE SOIL AND  
IT WILL FEED YOU

*Enjoy Better Lawns, Flowers and  
Gardens*

### CHIC NURE

The ideal fertilizer for lawn and garden (Chic-Nure) is pure chicken guano, finely ground and absolutely dry. We especially recommend Chic-Nure as a top dressing for your old lawn. It gives the lawn a new lease on life and will astonish the experienced gardener, adds humus to the soil, which is essential to plant life. Use 5 lbs. to 100 square feet.

50-lb. sack, \$1.50, f.o.b. Portland

### PURE BONE MEAL

Pure Ground Bone, fine ground, is one of the best fertilizers. This is the only grade of Ground Bone we sell, and is all pure bone, reduced by improved machinery to an even fineness—nothing is added, and is free from any adulterant. This is a very valuable enricher of the soil. Write for price.

### BLOOD MEAL

Pure Blood, cooked, dried and finely ground. A quick-acting fertilizer, analyzing very high in effective nitrogen; in fact, the nitrogen of Dried Blood is one of the most effective forms of organic nitrogen known. This also carries some phosphorus; is a strong fertilizer, a little going a long way. Write for price.

### MURIATE OF POTASH 48%

A highly concentrated form of potash. Used in forcing vegetables and with a filler as a general fertilizer.

### NITRATE OF SODA

An active, quickly soluble nitrogenous fertilizer stimulating leaf growth. For lawns, leaf vegetables, tomatoes and plants showing tardy growth.

### SULPHATE OF POTASH

A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc.; also cabbage. etc. Write for price.

### SUPERPHOSPHATE

Analysis—Phosphoric Acid, 18%

This is what is known as acid phosphate and is commonly used where a fertilizer high in Phosphoric Acid is wanted. Especially valuable on berries and fruits as it improves the color and shipping qualities. While the phosphoric acid in this is not so valuable as that in Bone Meal it is more quickly available and in some cases more useful. Super-phosphate is recommended as a top dressing for grass lands and grains. It is generally used at the rate of 300 to 600 lbs. per acre. Write for price.

## SHEEP MANURE

Nature's Perfect Plant Food

A pure, natural, nutritious, pulverized manure that is immediate and lasting in effect. In preparing a flower or vegetable bed, use it liberally and incorporate well with the soil. It is also very valuable as a liquid manure and can be used at all times with safety. Write for prices.

### FERTILIZER SPREADER

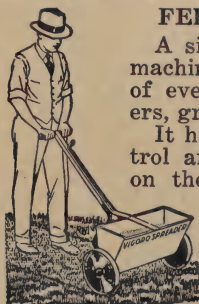
A simple, sturdy and efficient machine that solves the problem of even distribution of fertilizers, grass seed and top-dressing.

It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown.

Model B—14-in.....\$4.25

Jr. Model—16-in.....9.00

Std. Model—24-in. 20.55

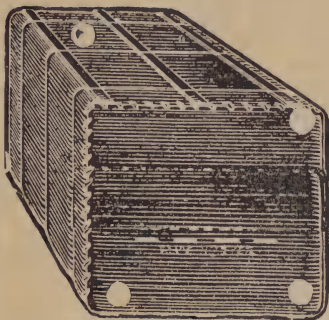


## PEAT MOSS NATURE SOIL IMPROVER

—It is a fine material for storing dahlia roots, tubers and bulbs and packing them for shipment.  
—It is economical to use. One bale will spread three hundred square feet, one inch deep.

A few of the many purposes for which it is used:

Fertilizer Carrier  
Mulching  
Cold Frames  
Lawns  
Improving Soils  
Propagating  
Cuttings



Landscape Work  
Benches (Greenhouse)  
Golf Courses  
Packing  
Storing Bulbs  
Potting  
Layering  
Seeds Beds

Write for prices

## ATLACIDE NON-POISONOUS WEED KILLER

50-lb. Drum (kills 5,000 square feet of weeds).

100-lb. Drum (kills 10,000 square feet of weeds).

Write for prices.

The Atlacide is especially adapted for killing weeds in paths, driveways, tennis courts, brick walls, gutters, in fence corners, along stone walls, etc. It kills all weeds and grasses including Johnson Grass, Wild Morning Glory, Quack Grass, Canada Thistle, Poison Ivy, etc.



A Successful  
Remedy  
for  
Cabbage  
Maggot

For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also recommended for combatting crown borers in strawberries. ½-pt. 50c; pt. 75c; qt. \$1.25; gal. \$2.75.

### NAPHTHALENE

For Use in Treating Soil for Insect Pests

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire-worms, slugs, centipedes, aphids, etc. Safest, most powerful insect repellent that can be used in quantities at low price. In granulated form, with strong odor like moth balls. Has been used in Europe for years. Drives off caterpillars, stupifies insects. Use it mixed in the soil according to directions. Send for full information.

Prices: 1½ lbs. 25c; 5 lbs. 60c; 10 lbs. 90c. Postage extra. Write for prices on quantity.

### CROTOX—BIRD AND RODENT REPELLENT

will protect your corn during the growing season by ridding your fields of crows, pheasants, blackbirds and other corn pullers—from squirrels, woodchucks, moles, gophers, wire-worms, grub-worms, etc. They positively will not touch corn that has been treated with Cro-Tox. It does not kill birds or animals but is repellent to them—they will not go near corn that has been treated with Cro-Tox. It cannot injure seed in any manner. It will not clog any planter.

Pint Can, Treats 2 bushels of seed corn—\$1.00.

One-half Pint Can, Treats 1 bushel of seed corn—60c.

## National Eezy Wear Garden Gloves



ALL-LEATHER  
Soft as Kid  
Easy to Wear

Made from special imported hides processed to render them amazingly soft and pliable. Permit almost bare-hand freedom yet provide complete all-leather protection. Ideal for garden and similar uses.

Dirt-proof  
Durable - Washable

Four sizes: "SMALL" and "MEDIUM" for Women, "MEDIUM" and "LARGE" size for Men. Price, 75c a pair—2 pairs for \$1.40.

## STIM-U-PLANT PLANT STIMULANT TABLET

A highly concentrated odorless fertilizer for the vegetable and flower garden, shrubs and house plants. The analysis is guaranteed 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash, an ample amount of each plant food to insure a quick and strong growth of all plants. Pkt. 10c.

30-tablet pkg. 25c; 100-tablet pkg. 75c; 1000-tablet pkg. \$3.50, postpaid.

## MORCROP TABLETS for Milady's Houseplants

Highly concentrated, complete fertilizer in tablet form for convenient application. Odorless, clean and quickly water soluble. The action is rapid and both foliage and bloom is improved. Equally effective in the garden.

Package 10c, Postpaid

### PLANT PROTECTORS

For the control of the Cabbage Maggot the use of Keepway Tarrd Plant Protectors will give a 90% to 100% protection against the cabbage maggot on cabbage and cauliflower plants. These tarred protectors are placed about the stem of the plants on top of the ground after transplanting. The maggot fly is repelled by the tar smell, and consequently no eggs are deposited.

This pad retains its efficiency until the plant is matured. Also it acts as a mulch in retaining moisture in the soil around the roots of the plant.

The size of these protectors is 3 inches by 3 inches, put up in packages, postpaid, priced as follows: Pkg. of 24, 10c; 72, 25c; 144, 45c; 500, \$1.25; 1,000, \$1.95.



### WEATHER-PROOF PENCILS

To be used for writing labels on garden plants. Every dahlia grower should have one of these. Will not fade in sun or rain. Each 10c; 3 for 25c, postpaid.

### GRAFTING WAX

Repellent to bees, ¼-lb. 20c; ½-lb. 30c; 1 lb. 50c.



## ADCO



## ARTIFICIAL MANURE

(Patented in the United States and Abroad)

ADCO is a powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure, fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. The process is perfectly simple and not at all laborious.

GARDENERS can now have plenty of manure at low cost and little trouble.

FARMERS, by utilizing straw, corn stalks, etc., can secure their manure without the expense and labor of maintaining live-stock.

## PRICE, F. O. B. PORTLAND

ADCO, in 150-lb. bags, each.....	\$11.75
(Enough for a heap 10 ft. x 10 ft. x 6 ft., making about three tons of manure)	
ADCO, in 25-lb. bags, each.....	\$2.50
(Enough for 12 wheelbarrow loads of garden waste, making one-half ton of manure)	
ADCO, in 7½-lb. bags, each.....	\$1.10
(Enough for 4 wheelbarrow loads of garden waste, making 600 lbs. of manure)	

## ROOTONE



## ROOTONE

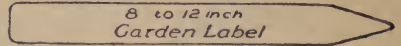
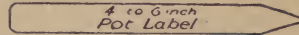
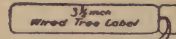
## For Root Cuttings

Simply dip the cuttings at the base, singly or in bunches, into the Rootone powder up to an inch. Shake off the excess and place in the propagation bed of wet sand or peat moss and sand. Then follow usual propagation methods. Slow-acting cuttings may be helped by dusting a second time, or even a third time, at two to three week intervals, as the judgment of the user dictates.

The One Dollar jar contains two ounces when packed. In case the powder has settled it will fluff to original volume with a slight shaking. It will treat up to 3000 cuttings.

For commercial growers, a package of one pound (16 oz. avoird.) is priced at \$5.00, and will treat up to 30,000 cuttings.

## LABELS



## TREE LABELS

Copper Wired and Painted

3½-inch—40c per 100, \$3.00 per 1000, postpaid

LABELS, Wood, for pot and garden plants

Size	100	1000	Size	100	1000
4 x ½ in.....	.30	\$ 2.00	8 x ½ in.....	.50	\$ 3.00
4½ x ½ in.....	.35	2.25	10 x ½ in.....	1.75	10.50
5 x ½ in.....	.40	2.50	12 x 1½ in.....	2.25	13.50

## STAKES, Bamboo

Dyed Green, very fine for staking delphinium, hardy chrysanthemums, gladiolus, etc.

Length	Doz.	100	1000	Length	Doz.	100	1000
18 in.....	.15	.65	\$4.00	36 in.....	.30	\$1.15	\$7.50
24 in.....	.20	.85	5.75	42 in.....	.35	1.25	8.50
30 in.....	.25	1.00	6.50	48 in.....	.40	1.50	9.50

## Eezy Wear



## GARDEN GLOVES

Protect Your Hands with these

## SOFT LEATHER GLOVES

Specially designed to give you everything you want in a garden glove.

All-Leather; Soft as

Kid; Dirt-Proof;

Easy to Wear;

Durable; Washable.

Being all-leather Eezy Wear gloves give complete protection against dirt, scratches, bruises, stains, infection. Yet their amazing softness and pliability, the result of a special processing, make them extra comfortable. Cling to the hands and practically give you BAREHAND FREEDOM.

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for GARAGE, HOUSEWORK, PAINTING, YARD, FURNACE, etc. Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). A real value at 75 cents a pair, postpaid. (2 prs. \$1.40.)



Place 'Twist-em's' around stem and support



Twist ends between finger and thumb



In a "flash" stem is securely tied

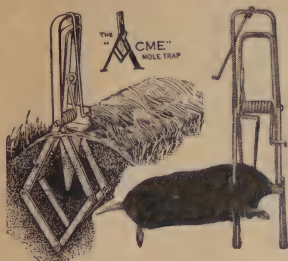
## 'TWIST-EMS' THE NEW HANDY PLANT-TIE . . .

For plants, shrubs, vines, vegetables and for arranging flowers. Box 125, 8-inch size, 25c; box of 250, 4-inch size, 25c.

## RAFFIA

Natural color, for nursery and garden work, also used for making baskets.

85c per lb., Postpaid



### The MOLE PROBLEM

can easily be controlled by the use of the latest trapping device. The

### ACME MOLE TRAP

It is superior in all respects.  
**SMALL**, weighs less than a pound.  
**SURE**, to catch, hold and kill.  
**EASILY SET**, women can set it.  
**RUST PROOF**, pins of brass and entire trap cadmium plated.  
\$2.35, postpaid



**Cinch Gopher Trap**  
**Cinch Moles Trap**

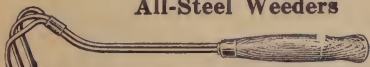
Fits the hole, a sure killer, and the most satisfactory trap. Weight, 1 pound. Price, each 75c, postpaid



**No. F-30—SPADING FORK**

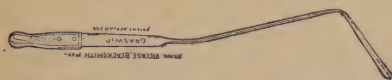
A very handy tool, forged 3 tine, polished and green enameled. Length 11 in. Hardwood handle. Each 75c.

### All-Steel Weeders



An improved tool, designed especially for the purpose of weeding when it must be done by hand. We assure you there is none better.

No. 6312, 12-inch handle ..... Each 35c  
No. 6340, 40-inch handle ..... Each 45c



**No. 160 Grasswip—\$1.40 each, postpaid**

### Ideal Hand Weeder and Scraper



**Price 50c each**



**No. 3  
GRASS HOOK**

Highly polished, offset handle, perfectly balanced, maple handle.  
Price 90c

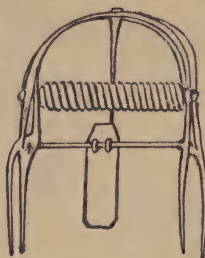


**No. 4  
GRASSNIP**

Semi - polished blade, very sturdy grass shear.  
Price 90c

### GRAFTING WAX

A high-grade preparation. Easy to handle. For pruning or grafting or for covering fresh cuts.  
¼ lb. 20c; ½ lb. 30c; 1 lb. 50c



### OUT OF SIGHT MOLE TRAP

**THE TRAP THAT  
HOLDS  
CAN'T PULL OUT  
CAN'T TWIST OUT  
CAN'T GNAW FREE**

The Best Mole Trap Made  
\$1.50, Postpaid



**REDDICK MOLE TRAP**  
No Mole Can Pass Under It and Live

These traps are strong and durable and worth the price to anyone troubled by moles.  
Price \$1.40 each, postpaid



**Garden Trowel No. 4—35c**



**MAYNARD TROWEL**

6-inch blade and shank, solid steel socket. The best trowel made. Price \$1.20, postpaid



**No. T-20—Solid Steel Trowel, 90c, postpaid**



### PRUNING SHEAR

Full polished Swiss Pattern shear, crucible steel blade, ratchet, regulated adjusting nut; 11 inches.  
No. B-202—Price each \$2.00.



### PRUNING SHEAR

Heavy 9-inch shear with volute spring, high grade polished steel blade, attractive finish.  
No. B-100—Price each \$1.50



### ROSE SHEAR

Full nickel plated, 7 inches long, forged from high grade steel. Fine finish and handy size.  
No. B-7728—Price each \$1.40



**No. 120, length  
20 in. .... \$3.00**

**No. 126, length  
26 in. .... \$3.35**

**No. 130, length  
30 in. .... \$4.15**

**ADD POSTAGE**



**THINNING SHEAR**

Mill finish, used for thinning fruit and for picking grapes, etc. 7 inches long.

No. 101—Price each 75c

**BUDDING KNIFE**

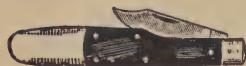
Stationary blade.

Price, 85c each

**PRUNING KNIFE**

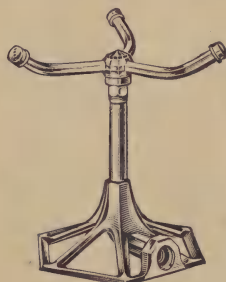
Handy grip ebony handle, curved, polished, tool steel blade, nickel-plated bolster.

No. 9215—Price each \$1.75.

**BUDDING KNIFE**

Has pointed blade and broad bone opening spoon.

No. 6427—Price each \$2.00.

**RED BIRD**

Sprinkles a Square Area While Whirling.

A modern, economical sprinkler that saves water. No waste on account of over-lap. Will sprinkle along drives and walks without wetting passersby. Each \$1.60.

**"FLARING ROSE" SPRINKLER**

Its small perforations emit a fan-like sheet of tiny jets that are just like gentle rain.

When turned towards beds of plants or

flowers, it does not cover the adjoining house or walk but goes right to the place desired.

Its fan-like shape makes it especially easy to handle. It is unexcelled for sprinkling small, grassy places. Each 80c, postpaid.

# ITS NEW - ITS DIFFERENT

# WISS

# HY-POWER

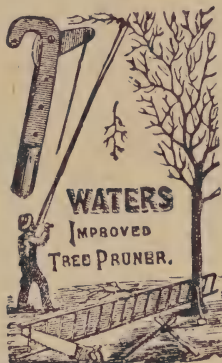
# PRUNER

WITH  
Pistol Grip Handle

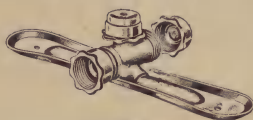


6-inch \$1.65; 8-inch \$2.20

Make  
Pruning  
a  
Pleasure



6 foot..\$1.90 10 foot..\$2.25  
8 foot.. 2.10.....12 foot.. 2.55  
Cannot Be Mailed

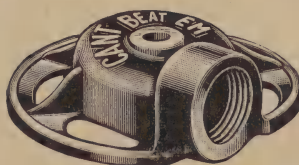
**CRICKET**

For connection in series ten to sixteen feet apart, making a practical portable sprinkling system. Also for individual use. Each 95c.

**SQUARE FOUNTAIN**

Sprinkles a Square Area

Will sprinkle along walks and drives or in small plots without wasting water in overlap. Is strongly built. Will stand pressure of 100 pounds. Each 75c.



One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or grit. Give an even distribution of water over a large area.

Each 40c



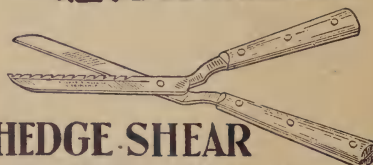
NEW  
WISS-CLIPPER  
GRASS  
SHEARS  
\$1.40

## TRIM YOUR HEDGE

WITH AN  
ALL-STEEL

SAW-TOOTH  
QUICK, EASY-CUTTING

TRADE **VILLAGE BLACKSMITH** MARK

**HEDGE SHEAR**

-The Blades will stay sharp-  
-The Handles will not come off-

No. St.-6 inch	.....	<b>\$2.25</b>
No. St.-7 inch	.....	<b>2.50</b>
No. St.-8 inch	.....	<b>3.00</b>
No. St.-9 inch	.....	<b>3.50</b>

**FAN SPRAY SPRINKLER**

A doubtful looking sprinkler but a dandy. Throws a fan-shaped mist fourteen feet in front only. Just the sprinkler for new flower beds, lawns, etc. Set it on the walk or next to the house and throw the water only where it is wanted. 95c, postpaid



**Perfection  
Hose Mender**

### HOSE MENDERS

Leaks and breaks in the garden or greenhouse hose can be easily remedied with the hose menders pictured. Perfection hose mender. 15c each; \$1.25 per doz., postpaid. Please state size of your hose.



### PERFECT CLINCHING COUPLER

$\frac{1}{2}$ "— $\frac{5}{8}$ "— $\frac{3}{4}$ "  
Per pair, 35c, postpaid



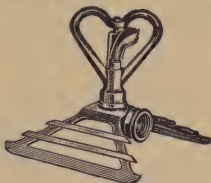
### SQUARE SPRAY Covers Up to 40 Feet

A simple, compact spray that sprinkles a square. Easy-turning head—Sprays on any water pressure. Especially suited for small lawns.

Each \$1.20



**No. 55—Brass Yerdon's  
Bands,  $\frac{1}{2}$  or  $\frac{3}{4}$ -inch. Post-  
paid, each 10c; doz. 75c.**

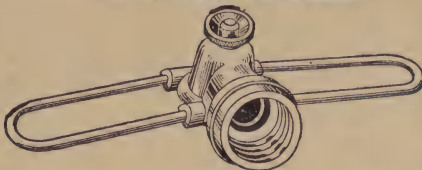


### BUSY

A regular water  
flirter. Runs easy.  
Weight 2 lbs.

Price \$1.40

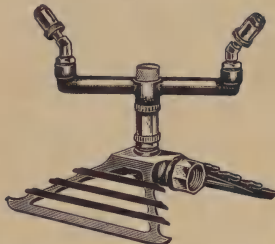
### No. 11 LAWN SPRINKLER



Non-corrosive; won't clog; with a clean-out brass plug. Equal distribution of water over a large area. Base 8 inches. Can be pulled about the lawn without tipping. Price \$1.00 each



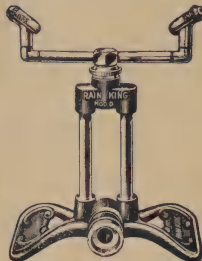
**Blake No. 2—Gal-  
vanized iron; tapped  
with  $\frac{3}{8}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ -  
inch iron pipe  
threads; used exten-  
sively for irrigating  
purposes. Price 90c**



### PARKSIDE

The Parkside is the best all-purpose sprinkler and can be used as a stationary sprinkler or as a revolving sprinkler. It is adjustable for sprinkling any way you may want: A fine mist for new lawns, plants just started, and nozzles can be adjusted any stream and spray.

Each \$3.75

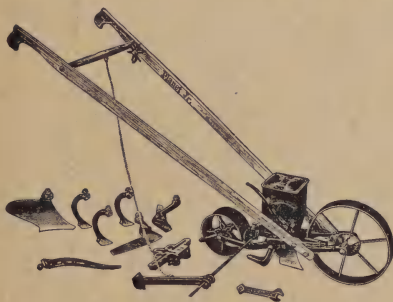


### MODEL D RAIN KING

The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow. Each \$3.25

## PLANET Jr. GARDEN TOOLS

Space will permit our describing only a few Planet Jr. Tools, but we will send to all who ask for it a fully illustrated catalogue of Planet Jr. Garden Implements.



### No. 4 PLANET JR.

Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. This tool combines in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, single wheel hoe cultivator and garden plow. Holds  $2\frac{1}{2}$  quarts of seed. Weight 50 pounds.

### CULTIVATING ATTACHMENTS FOR PLANET JR. TOOLS

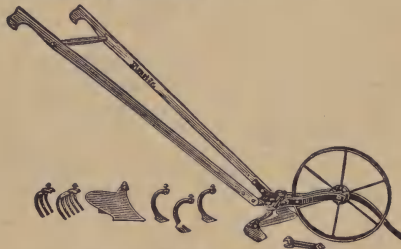
Hoes. C and D1 for cast frame wheel hoes. C11 and D11 for steel frames. Made in four widths. Cutting  $4\frac{1}{2}$ -inch, 6-inch, 7-inch, 9-inch.

Cultivator Teeth. No. 1395. Fit combined seeders and double and single wheel hoes.

Plows for Single Wheel Hoes. R3 for cast frames, R6 for steel frames.

Plows for Double Wheel Hoes. M4 and N4 for cast frames, M5 and N5 for steel frames.

WRITE FOR PRICES



### No. 16 PLANET JR.

Single Wheel Hoe with 1 pair hoes, 3 cultivator teeth, 2 rakes, 1 plow and 1 leaf guard.

No. 17—Same as No. 16 less rakes.

No. 17½—Less plow and rakes.

No. 18—One pair of 6-inch hoes only.

### No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

The wheel is 24 in. in diameter with a rim  $1\frac{1}{2}$  in. wide, insuring easy running in the lightest soil.

The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher priced Wheel Hoes are not required.

### No. 2 PLANET JR. EDGER



The edging disc is made of high grade steel and will last for years. Price \$1.60.

Note—All attachments on this page will fit Planet Jr. Single and Double Wheel Hoes and Combined Seeders and Wheel Hoes, excepting No. 119.



Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. Price \$2.60.



THE HORN

### THE HORN SEED SOWER

Will sow 40 to 60 acres per day of alfalfa, clover, timothy, millet, etc. Spread seed evenly from 30 to 40 feet. Price, postpaid, \$1.00.

### THE EUREKA POTATO PLANTER

EUREKA



### THE PINGREE POTATO PLANTER



WRITE FOR PRICES

### THE ACME Corn Planter



### THE SEGMENT ONE-HAND CORN PLANTER



WRITE FOR PRICES



## "DOGZOFF"

Copyright 1933

If you are bothered with dogs, cats or rabbits, "Dogzoff" is the spray you need. It is a most efficient animal repellent and one spraying will last from three to four weeks. Not poisonous to plants and will not injure animals. Not offensive to humans. Its use is guaranteed to keep these animals from any place where they are not wanted.

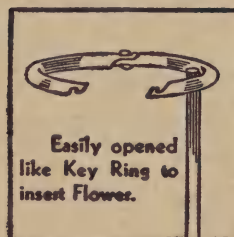
"Dogzoff" is applied with any small insect sprayer and one application usually does the work.

"Dogzoff" will save its cost many times over around the garden and home.

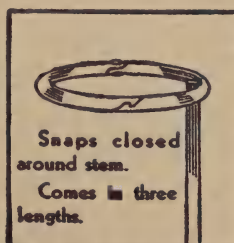
PRICE FOR SEASON'S SUPPLY **69c** PRE-PAID

## HANDY FLOWER HOLDER

To Beautify Gardens and Potted Plants



Easily opened like Key Ring to insert Flower.



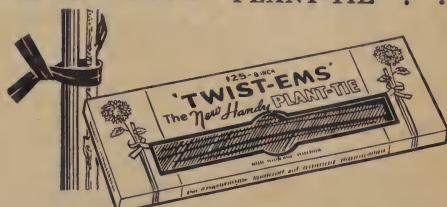
Snaps closed around stem. Comes in three lengths.



Patent Pending

	No. 10	No. 9	No. 8
Price Per Dozen.....	\$1.20	\$1.45	\$1.75

## 'TWIST-EMS' THE NEW HANDY PLANT-TIE . . .



For plants, shrubs, vines, vegetables and for arranging flowers. Box 125, 8-inch size, 25c; box of 250, 4-inch size, 25c.

FOR . . .

- Plant Pests
- Plant Diseases

# BARFOOT

FOR . . .

- Flowers
- Trees
- Vegetables

- LIQUID ROTENONE ●
- COLLOIDAL FUNGICIDE ●
- COMPLETE CONTROL ●

The answer to your insect and fungus control problems. Will not clog pores, stain or burn plants. "ALL PURPOSE MIX" for both plant insects and diseases: 1 teaspoonful BARFOOT SPRAY, 1 teaspoonful BARFOOT SPREADER, and 1 teaspoonful BARFOOT FUNGICIDE to 1 gallon of water, and PRESTO! You're ready to go to work. Used and recommended by leading horticulturists in the West. Excellent for ROSES!



## BARFOOT FUNGICIDE

For powdery mildew control on ornamental plants. For leaf curl on peaches and nectarines.

1 oz. ....	\$ .25
4 oz. ....	.75
(Makes 25 gals.)	
8 oz. ....	1.25
Pints ....	2.00



## BARFOOT SPREADER

A scientific chemical compound especially designed for use with Barfoot Rotenone spray. Insures even distribution and dissolves insect protection.

1 oz. ....	\$ .15
4 oz. ....	.35
(Makes 25 gals.)	
8 oz. ....	.65
Pints ....	1.00



## BARFOOT ROTENONE SPRAY

Controls lawn moths, aphids, thrips, red spider, mealy bugs, green worms, beetles, caterpillars, scale, squash bug, etc.

1 oz. ....	\$ .35
4 oz. ....	1.00
(Makes 25 gals.)	
8 oz. ....	1.75
Pints ....	2.50

### PERSONAL RECOMMENDATION

We, speaking from actual experience in using this spray recommend it highly for preventative use as well as control of mildew and pests. The best method of use is the combining of the three Barfoot products, making an all in one spray. This spray is nonpoisonous to human beings, so is safe to use on products for human consumption. Start spraying at the first sign of foliage. Send for Spray Guide.

## Pest Control Made Easy



### THE HAYES JR. SPRAY GUN

takes all labor out of spraying and insures 100% coverage. Insecticide is thoroughly mixed before leaving nozzle; adjustable nozzle sprays up, down or sideways; sends fine stream 20 feet high to spray trees; uses any insecticide soluble in water; put enough insecticide in the glass jar to make 3 gallons according to manufacturer's formula, fill with water, thoroughly mix, attach to garden hose and spray; no moving parts; non-corroding metals used. F. O. B. Portland.

Each \$5.95

Control Garden  
Pests with this  
Quick, Easy,

## NEW HARCO SPRAYER



Plants blighted? Prevent and kill destructive garden pests with new, proven HARCO, only professional-type Sprayer priced so low. Quickly sends insecticide into tops of tall shrubs, reaches undersides of small plants, penetrates hard-to-reach places—easy as pie to use. Durably made, trouble-free. No dripping. Enjoy a healthy garden—win praise for its beauty. \$2.35 complete, F. O. B. Portland.



## THE NEW OPEN-HED SPRAYER

### Features

1. Electrically Welded Seams Make a practically seamless "one piece" tank.
  2. Galvanized After Tank is Fabricated Completely coated inside and out—all seams and points locked with hot galvanize.
  3. Double-Acting Pump Lock is quickly, easily and safely locked or unlocked.
  4. Tank Opening is 5 inches in Diameter Can easily be wiped dry to lengthen life of sprayer.
  5. Tank Guaranteed for 100 Lbs. Pressure.
- No. 3-D Open Hed—3-gal.  
Steel Tank. Each.....\$7.50  
No. 4-D Open Hed—4-gal.  
Steel Tank. Each.....\$8.25  
No. 4-B Open-Hed—4-gal.  
Brass Tank. Each.....\$13.50



Postage extra.

### DUSTER BROWN



Tin cylinder, glass container. Capacity, 1 quart. \$1.50

A small capacity duster, ideal for use in the garden or home, etc., and is especially useful in dusting insecticides and other powders. Capacity  $\frac{1}{2}$  pint.

Price 60c; by mail 70c

### SHELL SPRAYER



This sprayer will work only with Shell Nicona Soluble or Mel-Du-Spra. Spray.

Price \$1.25

*"It's easy to spray the Nicona Way"*

### NO MIXING—NO MUSS

Note how simple and easy it is to use the Shell Nicona Sprayer:

1. Attach sprayer to any garden hose in good condition.
2. Attach bottle of Shell Soluble Nicona Garden Spray.
3. Turn on water with bottle suspended below hose. In this position, only water is discharged through sprayer.
4. When ready to spray affected foliage, invert bottle above hose. The correct amount of insecticide is measured into the water by the exclusive Shell Nicona automatic volume regulator, at all water pressures from 35 to 100 pounds. Spray deflector can be adjusted to give either a fine mist or a long penetrating spray.

Shell Nicona Mil-du-spra

RETAIL PRICES	Shell Nicona	Shell Mil-du-spra
Sprayer with 8-oz bottle	\$1.75	\$1.75
8-oz. bottle	.50	.50
1 pint	.75	1.00
1 quart	1.10	1.75
1 gallon	3.25	5.50



No. 26-B.G.—Continuous Sprayer. Glass tank.....\$1.40



No. 335—Continuous Sprayer. Copper tank.....\$2.00



Du-Spray. Pint tin sprayer.....90c



The Auto-Spray No. 5 is a double acting high pressure sprayer that can be used with any pail or bucket. Generates a pressure of over 200 pounds. Price \$5.50

### GARDEN HOSE SPRAYER With Crystal Clear Cartridge Chamber



A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Each \$4.00

### BROWN'S MAGIC CARTRIDGES

For use with Brown's Magic Garden Hose Sprayers, as well as other Garden Hose Sprayers.

Brown's Magic Cartridges are all thoroughly tested.

**Pyrethrum-Rotenone Cartridge** produces about 6 gallons strong spray for both chewing and sucking insects. **Nicotine Cartridge** provides about 6 gallons strong Nicotine spray. **Arsenate of Lead Cartridge** produces about 5 gallons strong arsenical spray. **Copper Fungicide Cartridge** produces about 5 gallons spray; for control of mildew and other fungus diseases. **Fertilizer Cartridge** produces about 5 gallons spray for fertilization of flower beds and lawns.

Each 35c; 6 for \$2.00



### FEENEY DUST GUN

The dust cloud from a Model B Duster covers every surface of the thing that is to be dusted—top, sides, underside and all—hunts every crack and crevice—nothing escapes being treated—it does the job completely. Price \$1.15.

# OAKES SPRAY PUMPS



NO. 138G

No. 138-G—E-Z FILL tank with 4-inch threaded opening, funnel top. Easily filled and cleaned. Automatic shut-off, has removable valve plunger. Sprays all disinfectants, insecticides, cold water paints and whitewash. Galvanized tank. \$7.35.



NO. 1132

No. 1132—Convenient hand dust gun for garden crops. Powder capacity 1 pound. Handles heavier dusts such as rotenone and breaks up into fine spray. Adjustable nozzle tip. Positive check valve. Heavy steel throughout. Enamel finish. \$1.75.



earlier, bringing high prices and premium profits. Frost can't harm. Insects can't touch. Rain can't hurt your plantings. Keeps a perfect mulch around plants and prevents ground crusting. Cost less than a cent a plant. Increased profits pay for them. Millions used every year. Good for the home gardeners on small plots, too.

1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 250 pkg. with Setter and Tamper, \$4.25; 100 pkg. with Setter and Tamper, \$2.85; 25 Home Garden pkg., \$.50.

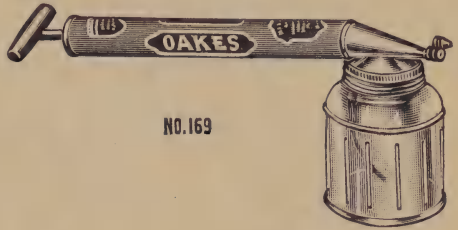
Germaco  
**Hotkaps**

**SURE CROPS**  
**3 weeks**  
**earlier**  
**TO MARKET**

With Germaco  
**HOTKAPS**

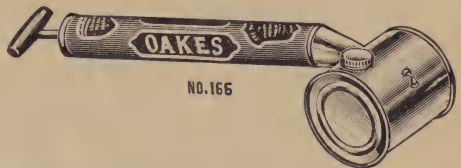
Each HOTKAP is a small hothouse, increasing yield 18% to 51%. HOTKAPS ripen crops 3 weeks

earlier, bringing high prices and premium profits. Frost can't harm. Insects can't touch. Rain can't hurt your plantings. Keeps a perfect mulch around plants and prevents ground crusting. Cost less than a cent a plant. Increased profits pay for them. Millions used every year. Good for the home gardeners on small plots, too.



NO. 169

No. 169—Quart glass jar container, quickly detachable; larger filler opening. Two-way nozzle tips—sprays up or straight ahead. Continuous sprayer. Removable brass siphon tube. For caustic sprays, chemicals or insecticides. \$1.30.



NO. 166

No. 166—Popular heavy duty quart tin sprayer for general purposes in dairy, poultry house, home or garden. Oversize pump produces fine misty spray. 75c.



NO. 1355

No. 1355—Efficient small dust gun for fighting roaches, ants, flies, mosquitoes; for dusting inhalants in brooder house; louse powder in poultry house. Positive check valve. 65c.



R-V-LITE VITAPANE is a new modern transparent all-purpose window material, which may be used in poultry houses, green houses, storm doors and hot and cold beds. It is easily installed, costs much less than glass and admits 60% ultra violet rays. R-V-Lite Vitapane is made from transparent cellulose acetate, reinforced with a tough cord netting. It is odorless, greaseless, vermin proof and actually transparent. There is no gum, wax, or paraffin and does not stick, discolor or become brittle. Having such a glossy finish, it is dirt resistant and grime is very easily cleaned off with a damp cloth. It is waterproof and weather-proof—an ideal material to keep on hand in roll lots for handy patchwork anywhere. Write for prices.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



# INSECTICIDES AND FUNGICIDES, Etc.



## Dust with Pomo-Green

The Leaf-green Dust  
An Easy, Effective Way to  
PROTECT YOUR ROSES

and other Flowering Plants Against Insects and  
Fungus Diseases Without Making the  
Treatment Conspicuous

**POMO-GREEN with NICOTINE** (The Leaf-Green All-in-One Dust)—A combination material which controls all fungous diseases and kills both eating insects and aphids. Requires no supplementary material for complete disease and insect pest control on all flowering plants. Leaf-green in color and never unsightly on plants. Both dusting and spraying directions on cans. Lb. 75c; 5 lbs. \$3.00. Postage Extra.

### BLUE STONE (Sulphate of Copper)

Applied in time it will prevent mildew and all fungus diseases. Also prevents smut on barley and wheat, by soaking seed to be planted in a solution of 1 lb. to 6 gallons of water for ten or fifteen minutes. May be sent by parcel post. Write for price.

### WHALE OIL SOAP (Fish Oil)

This is not only an excellent insecticide for killing plant lice and fungus growth, but should be mixed with most all liquid sprays as it causes the spray to adhere much better to the leaves. 1 lb. 30c. Write for quantity price.

### SULPHUR

For Dry Dusting of Trees, Vines, Etc., Bleaching  
Fruit, Etc.

It has been proven and so recommended by the University of California that if you sulphur your grape vines and orchards six times they will not be affected by mildew or red spiders. Write for quantity price.

### TOBACCO DUST

Regular Grade. 5 lbs. 60c; 10 lbs. \$1; 100 lbs. \$7



1 oz., 4 gals spray. \$ .35	2 lb., 150-500 gals. \$3.25
5 oz., 25-100 gals. 1.00	5 lb., ..... 5.85
1 lb., 80-240 gals. 2.25	10 lb., 800-2500 gals. 10.60

### NEW EVER GREEN SPRAY

is a liquid spray. This provides an easy way to kill garden insects and ants. Its deadly pyrethrum content kills a wide range of insects that eat leaves, destroy blossoms, or suck sap. This is non-poisonous to man or animal and will not injure the tenderest blossoms. Simply mix New Ever Green Spray with water and it is ready for use. It is mailable. Prices not prepaid: 1 oz. bottle, 35c each; 6 oz. can \$1.00.

### NAPHTHALENE

For Use in Treating Soil for Insect Pests

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphids, etc. Safest, most powerful insect repellent that can be used in quantities at low price. In granulated form, with strong odor like moth balls. Has been used in Europe for years. Drives off caterpillars, stupefies insects. Use it mixed in the soil according to directions. Send for full information.

Prices: 1½ lbs. 25c; 5 lbs. 60c; 10 lbs. 90c. Postage extra. Write for prices on quantity.

### S-W ARSENATE OF LEAD

A stomach poison spray for the control of leaf eating insects such as caterpillars, beetles, slugs, apple and pear worm, etc. May be applied either as a dust or as a liquid spray. 1 lb. 35c; 4 lbs. \$1.20.

### S-W ARSENATE OF CALCIUM

This product may be used as a dust or as a spray for the control of potato beetle, cabbage worm, tomato worm and other resistant beetles and caterpillars. It is also extensively used in making poisoned baits for the control of cutworms, snails, slugs, sow bugs, army worms, strawberry weevil, grasshoppers, etc.

1 lb. 25c; 4 lbs. 60c

### S-W DRY LIME-SULFUR

A complete fungicide-insecticide, which controls San Jose scale, red spider and mites, curl leaf of almond, peach and nectarine, apple and pear scab, and many other insects and diseases. S-W Dry Lime-Sulfur is a full strength liquid lime sulfur from which the water has been evaporated. 1 lb. 35c; 5 lbs. \$1.55

### S-W FUNGI-BORDO

A chemically combined single package Bordeaux Mixture, for the control of fungous disease on shrubs and trees, such as: curl leaf and blight of peaches, scab on apples and pears, mildew, rust, celery blight and as a repellent for flea and ground beetles on garden plants. 1 lb. 35c; 4 lbs. 60c.

### S-W PARIS GREEN

A stomach poison that means quick death to potato bugs, army worms, cut worms, grasshoppers and other resistant insects. Because of the quick action of this product it is extensively used for the making of poison bait, for the control of the above and other garden pests. ¼ lb. 25c; 1 lb. 60c.

### S-W PESTROY

A combination stomach poison and fungicide, spray or dust, for the effective control of leaf-eating insects and fungous diseases found on growing flowers, vegetables and shrubs. Sold in one pound sifter-type containers. ½ lb. 25c; 1 lb. 35c.

### S-W ROSE AID

An especially prepared dust for roses. Will control black spot and mildew on rose bushes, rust and mildew on many garden flowers and shrubs. Sold in one-pound containers with a handy sifter top. 1 lb. 50c.

### S-W ROTO DUST

A Non-Arsenal Stomach Poison and Contact Insecticide. Applied as a dust, this exceptionally fine product will control certain beetles, caterpillars, worms, etc. Sold in one pound sifter type containers, ready for immediate use.

1 lb. 35c; 4 lbs. 75c; 25 lbs. \$3.75

### S-W SUMMER MULSION

An up-to-date, highly refined summer oil emulsion, in convenient flowable form. Will control certain scale, white fly, red spider, mites and other pests found on foliage. ½ pt. 30c; 1 pt. 50c; 1 qt. 70c.

### S-W WINTER MULSION

A dormant oil emulsion which has been extensively used by universities, tree experts, orchardists and others for the control of those insects and insect eggs present on trees and shrubs when not in foliage.

1 pt. 35c; 1 qt. 50c; 1 gal. \$1.00

### META-NOX

A recent scientific discovery for the extermination of slugs, snails, etc. When used as a bait acts as an attractor and poison. The most successful means of control for snails and slugs that has been developed in modern years. 1 lb. 25c; 2½ lbs. 50c; 10 lbs. \$1.75.

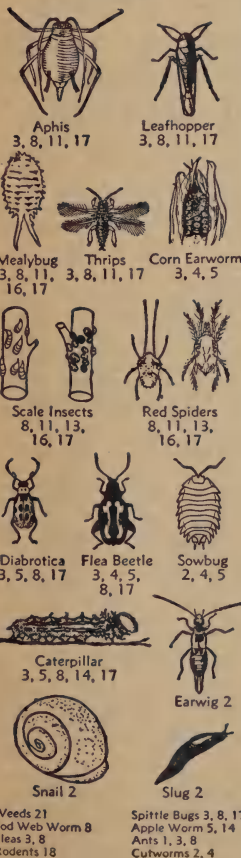
**SHERWIN-WILLIAMS GARDEN SPRAY**  
GUIDE FREE ON REQUEST

# Protect Your Garden with these "ORTHO" PRODUCTS

## INSECTICIDES FUNGICIDES WEED KILLERS



The most common destructive insects are illustrated below (some greatly enlarged). The numbers indicate the products described on this page that are generally used in their control. Other pests are mentioned under product names.



### PLANT DISEASES

Black Spot on Roses 12, 17  
Leaf Spots 12, 17 Peach Blight 10, 12, 17  
Mildews 9, 12, 17 Peach Leaf Curl 10, 12, 17  
Molds 12, 17 Rose Mildew 11, 12, 17  
Rose Rust 12-16, 12, 17

**1. ANT-B-GON Ant Poison.** For use against Argentine and Sweets-Eating Ants. With patented "wick" feeder for garden use. Keep a supply of filled dispensers in the garden near the house at all times.

#### ANT-B-GON Dispenser Sets

Four, 1-oz. bottles.....\$ .60 per set

#### ANT-B-GON Ant Control Liquid

4 ounce bottle.....\$ .20 each

16-oz. bot., ea. .50 32-oz. bot., ea. .90

1-gal. tin, ea. 2.75

**2. BUG-GETA Metaldehyde Bait.** A specially prepared bait that has proved effective for use against Snails, Slugs, Sowbugs, Earwigs, Cutworms and Strawberry Root Weevils.

1-lb. carton.....\$ .25 12-lb. bag.....\$1.75

2½-lb. carton .50 30-lb. bag.....3.75

6-lb. carton.....1.00

**3. BOTANO Garden Dust.** New, improved multi-purpose dust mixture packed in a convenient self-use duster package. For use on Ornamental plants, flowers and vegetables against 16 different garden pests including certain Ants, Aphids, Beetles, Black Spot Diseases, Caterpillars, Cabbage Worm, Tomato Worm, Fleas, Mildews, Pear Slug, Red Spiders, Rose Mildew, Rose Slug, Sow Bugs, Spittle Bugs, Thrips.

10-oz. duster, ea.....\$ .49

**4. CALCIUM ARSENATE.** A strong stomach poison used in making poisoned baits, and as a dust or spray to control certain Beetles and Worms.

1-lb. carton.....\$ .25 4-lb. bags.....\$ .60

**5. CALTOX Insecticide-Fungicide.** For dusting or spraying. Has proved remarkably effective for control of Sowbugs, Diabrotica Beetle, Flea Beetle and other Beetles; Corn Earworm; Rose Slug and other worms.

6-oz. ctn. (makes 8 to 16 gal. spray) \$ .35

1-lb. ctn.....\$ .60 3-lb. ctn.....1.25

**6. CONTAX Pruning Paint.** A new, modern plastic pruning and grafting composition. "CONTAX" has been developed for use as a general pruning paint, a grafting compound for certain varieties of trees and in connection with tree surgery operations.

1-pint tin, ea. \$ .35 1-gal. tin, ea. \$1.50

1-quart tin, ea. .60 5-gal. tin, ea. 6.00

**7. DEADLINE Insect Barrier.** For control of climbing insects on certain varieties of mature trees. Apply on an undercoating of shellac. For use on mature trees only and on mature Grapevines.

6-oz. tin.....\$ .35 1-lb. tin.....\$ .70

**8. EXTRAX Insect Spray.** A complete insect spray, with Pyrethrum and Rotenone as the main active ingredients and sufficient wetting agent to give high wetting at normal dilution. Combines with GREENOL Liquid Fungicide to make a simple "2-product program" of garden pest control. The low dilution effective strength makes "EXTRAX" an economical spray for general garden use.

1-oz. bot., ea. \$ .35 16-oz. bot., ea. \$2.75

4-oz. bot., ea. 1.00 ½-gal., ea. 7.95

1-gal. tin, ea. 15.00

**9. FLOTOX Garden SULFUR.** A fine Powdered Sulfur suitable for use as a Dust or Spray to control Powdery Mildew, Apple Scab, Brown Rot and Red Spider.

26-oz. carton.....\$ .25 4-lb. carton.....\$ .50

**10. Garden BORDO (Bordeaux Mixture).** A Copper Fungicide widely used to control plant diseases.

1-lb. carton.....\$ .35 4-lb. bag.....\$ .90

**11. Garden VOLCK Spray.** The complete contact Spray used for control of sucking insects, including Aphids, Thrips, Mealybug, Scale, White Fly, Red Spider, Cyclamen Mite, small Worms, certain Beetles, Rose Mildew.

Garden VOLCK Spray is now the best known all-around garden spray used by home gardeners.

4-oz. bottle.....\$ .35 1-gallon tin.....\$3.00

1-pint bottle .. .85 5-gallon tin.....10.00

1-quart bottle 1.25

**12. GREENOL Liquid Fungicide.** A low dilution liquid fungicide containing copper and its own wetting agent, so as to give high wetting at normal dilution. Used to prevent and control certain garden diseases as Mildew, Rust, Leaf Curl and Leaf Spot and certain other diseases effectively treated with such copper fungicides. "GREENOL" is compatible with "EXTRAX" to make a convenient 2-bottle program of garden pest control.

1-oz. bot., ea. \$ .35 16-oz. bot., ea. \$1.50

4-oz. bot., ea. .60 ½-gal. tin, ea. 3.95

1-gal. tin, ea. 7.50

**13. KLEENUP Dormant Oil Spray Emulsion.** Used on dormant Deciduous Trees and Shrubs to kill San Jose Scale, Lecanium Scale, and other over-wintering insect pests.

1-quart tin (makes 6 gallons), each.....\$ .50

1-gal. tin, ea.....\$1.00 5-gal. tin.....3.00

**14. LEAD ARSENATE (Basic).** Used as a spray or dust to control chewing insects such as Beetles, Caterpillars and Worms.

1-lb. tin.....\$ .35 5-lb. tin.....\$1.50

**15. LIME-SULFUR (Dry).** A fungicide-Insecticide, used to control certain fungous diseases and certain insects.

1-lb. tin.....\$ .39 5-lb. tin.....\$1.55

**16. Nursery VOLCK Summer Oil Spray.** Long recognized as a superior spray for Mealybug, Red Spider, Scale, White Fly. Also recommended as carrier and spreader for Nicotine, Pyrethrum, Rotenone, Bordeaux, "CALTOX", Lead Arsenate, in combination spray mixtures.

1-pint tin.....\$ .50 1-gallon tin.....\$2.00

1-quart tin .. .75 5-gallon tin.....5.00

**17. "ORTHO" ROSE SPRAY KIT.** A special combination Kit containing a 2-oz. bottle EXTRAX Insect Spray and a 2-oz. bottle GREENOL Liquid Fungicide together with an illustrated circular on Rose Pest Control. Makes 12 gallons combination spray for simplified control of many Rose Insects and Diseases including certain Aphids, Beetles, Caterpillars, Leafhoppers, Red Spiders, Rose Slugs, Rose Chafers, Scale Insects, Thrips, Black Spot on Roses, Rose Mildews and Rose Rust.

Complete Rose Spray Kit.....\$1.00

**18. Rodent Destroyer.** A balanced strychnine-poisoned ration containing Wheat, Barley, Oats, and Fruits. Used to kill Gophers, Squirrels, Rats, Mice and Prairie Dogs. Longer lasting, waterproof, more effective.

6-oz. carton.....\$ .30 5-lb. carton.....\$2.00

1-lb. carton......60

**19. SCRAM Dog Repellent.** A powder used around Lawns and Shrubs to repel Dogs.

Special Shaker Package.....\$ .49

**20. "TRANSPLANTONE".** A water soluble powder containing two plant hormones including naphthalylacetamide, and three vitamins including vitamins B1 and C. The hormones initiate or form roots, while the vitamins are for their continued growth.

½-oz. pkt., ea. \$ .25 1-lb. can, ea. \$4.00

3-oz. can, ea. 1.00

**21. TRIOX Weed Killer.** The improved "ORTHO" Weed Killer, used to kill weeds on paths, roads, curbs, tennis courts, parking lots, athletic fields, etc.

1-pt. tin, ea......50 1-gal. tin, ea.....\$2.00

1-qt. tin, ea......75 5-gal. tin, ea.....6.25

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE



**INOCULATE**  
your **LEGUMES**  
with  
**NITRAGIN**

for ALFALFA, CLOVER,  
BEANS, COWPEAS, PEAS,  
SOYBEANS, LESPEDEZA,  
PEANUTS, all LEGUMES

1898 Forty Four Years of Service 1942

**PRICES REDUCED ON PEA, VETCH, LESPEDEZA,  
COWPEAS, PEANUTS, AND SOYBEAN GROUPS**

## BUILD UP YOUR SOIL

### Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

### INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture—tested and guaranteed—easy to apply—packed with Billions of fresh legume bacteria. Its high quality makes Nitragin inoculation an excellent crop insurance. Directions on every can.

### NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

#### ALFALFA, all CLOVERS

Size	Retail
1/2 bu. ea.....	.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

#### PEAS (All Varieties)

#### VETCHES (All Varieties)

1/2 bu. ea.....	.25
1 bu. ea.....	.35
1 1/3 bu. ea.....	.50
1 1/2 bu. ea.....	3.50

#### BEANS

#### String, Wax, Kidney

1/2 bu. ea.....	.25
1 bu. ea.....	.35
1 1/3 bu. ea.....	.50

#### LESPEDEZA Hulled or Unhulled

Size	Retail
Small (Inoculates up to 50 lb. seed) ..	.35
Large (Inoculates up to 100 lb. seed) ..	.50

#### SOYBEANS, LIMA BEANS, COW PEAS AND PEANUTS

Small (Inoculates up to 120 lb. seed) ..	.30
5 bu. ea.....	.55
25 bu. one can) ea..	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

#### GARDEN SIZE

Garden Peas and Beans  
Sweet Peas and Lupines  
Enough for 6 lbs. seed  
Retail Price 10c each.

**NITRAGIN—Oldest and Most Widely Used Inoculator in America**

## STOP DAMPING-OFF!

Your tender seedlings,—unprotected,—are helpless before the widely rooted fungi that are strangling below-soil plant life. Protect them!

A few cent's worth of Cuprocide's seed protection may make a great difference in your crop yields and profits.

### COAT YOUR SEEDS WITH

The Red Copper Oxide That Stays Red

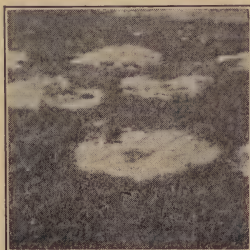


1/4-lb. can 35c

1-lb. can 90c

The Standard Red Copper Oxide

**CUPROCIDE**



Large Brown Patch

### Nu-Green

Recommended for brown patch control. Contains the same effective ingredients as Semesan but has the added property of quickly restoring diseased grass to normal conditions. 3-oz. can 35c; 1-lb. tin \$1.45; 5-lb. tin \$6.30. Postage extra.

### Semesan Jr.

(New Improved)

A less expensive but equally effective form of Semesan for dry dust disinfection of seed corn only. Controls diseases and at the same time increases yields from 10 to 14 per cent. 4-oz. can 30c; 1-lb. tin 75c; 5-lb. tin \$3.25; 25 lbs. \$14.00. Postage extra.

### Semesan Bel

Applied to whole or cut seed potatoes, either as a dry powder or in liquid form, Semesan Bel will prevent or control the common seedborne potato diseases. Also very effective in treatment of Gladioli and other bulbs, and produces healthier plants. 4-oz. tins 45c; 1-lb. tin \$1.50; 5-lb. tin \$6.75. Postage extra.

### Ceresan

New Improved Ceresan is unusually effective in controlling smut in grains. It frequently improves the stand and yield of grain 1 to 5 bushels per acre. Also used for treating Narcissus bulbs, Cotton seed, Sorghums, Peas, Flax and Millet. 1-lb. 75c; 5 lbs. \$3.00. Postage extra.

Free descriptive booklets sent upon request.



## SEMESAN

A seed, plant and soil disinfectant. It will successfully prevent or control diseases of seeds without in the least impairing their vitality, but on the other hand generally increases germination, invigorates seedling growth, and develops sturdier plants. Semesan will also prevent or control the "Brown Patch" of lawns, the "Damping-off" of seedlings and cuttings, and certain soil-borne diseases. Treatments can be made in dust or liquid form. 2 oz. tin 35c; 1-lb. tin \$2.25; 5-lb. tin \$9.90. Postage extra.



## ANTROL—The National Ant Control

The Antrol system is composed of small glass containers and a special formula of syrup. Ants transmit the mild poison to the queen in the nest and soon the entire colony is destroyed.

### READY-FILLED ANTROL SET

The ready-filled Antrol Set consists of four patented glass feeders filled with Antrol. This set has the advantage over the regular set of being ready to use as purchased. Price, 40c, postage extra.



### Antrol Ant Trap

Kills both sweet and grease eating ants, as it contains two kinds of specially prepared materials. Ready to use by simply punching out the perforations on the side of the can. Most effective and lasting ant trap ever devised. Antrol Ant Traps—ready to use—each 10c.



### Antrol Ant Powder

Here is a new scientifically prepared ant, roach and silverfish powder that kills pests quicker. It is ideal for use wherever quick protection is needed. Easy to use—shaker top. 2-oz. can 15c; 4-oz. can 25c; 5-lb. can \$3.25. Postage Extra.



### GAS BALLS—For Gophers or Moles

For the extermination of Ground Squirrels, Gophers, Prairie Dogs and Moles.

#### SAFE—SURE—ECONOMICAL

Will not explode. Do not deteriorate. No danger to livestock, domestic fowls or wild game.

Hold the exterminator in mouth of squirrel's burrow, light the sharp edge with torch or match, after the ball is ignited and burning freely roll it as far as possible into the burrow. Cover the hole with clod of dirt, then with enough fine dirt to seal tightly so that none of the gas fumes can escape. Throw no fine dirt on the burning ball. Dozen 45c, postpaid.

### RED STAR POISON

A specially prepared poisoned grain. The scent attracts rats and mice to the bait and the grain itself is agreeable to their taste. 1 lb. pkg. 30c; 3 lb. pkg. 55c.

### RED STAR POISONED RAISINS

An effective poison, very easily used, to kill moles and gophers. Just allow one or more teaspoonfuls of poison to fall into runways after having located them. Price 8 ozs. 25c. Not Postpaid

### "GOLD LEAF" TOBACCO POWDER

"Gold Leaf" Tobacco Powder is especially economical round-worm control. It contains between 1 and 1.5 per cent of nicotine, the basis considered safest and most effective. Price, per 2 lbs. 40c, postpaid

### SNAROL

A meal that quickly destroys cut-worms, sow bugs, earwigs, grasshoppers, snails and slugs.

Merely sprinkle Snarol around and under planted vegetation. Insure them against destruction. Will not in any way destroy plants and rain does not destroy its value.

Look over your premises at once—note if any of these pests are present. If so, take steps immediately to destroy them for they quickly multiply, and once they become active they will soon overrun your grounds.



#### PRICES—SNAROL

1-lb. pkg. (for small area)	\$ .25
2 1/2-lb. pkg.	.50
6-lb. pkg.	1.00
10-lb. bag	1.50

#### ADD POSTAGE

### FLYROL

We believe that Flyrol is equal, if not better than any household spray on the market. It will kill flies, moths, mosquitoes, roaches, bedbugs; also black widow and other spiders. It is 100% active, does not stain, and has a very pleasant odor that disappears soon after it has been sprayed. Pint 30c; quart 50c; 1 gallon \$1.75. Postage Extra.

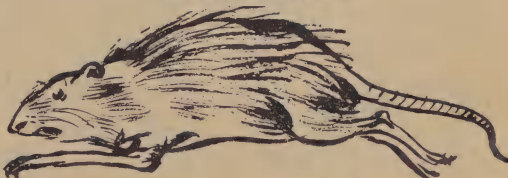


### "Five Cents Saves Five Dollars"



This Rodent Destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down in the burrow and the pests are gassed. Package of one dozen, 80c, postpaid.

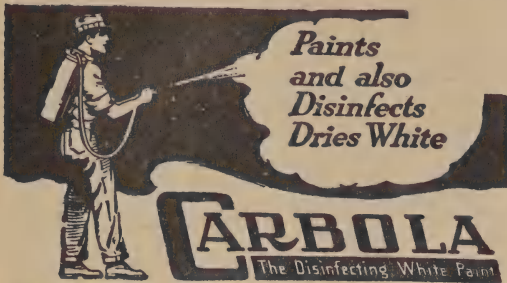
### RATROL BAITS



KILLS RATS AND MICE ONLY  
Harmless to Humans, Pets  
and Poultry

RATROL BAIT is Not a Poison  
Postpaid 25c





## THE POWDER OF MANY USES

### IN POULTRY HOUSES

Dust a few ounces of Carbola—just as it comes in the package—in your poultry house. Watch it settle on dropping boards, in the nests, in the litter, on the floor, and on the birds themselves.

Do this once a week and you will never be bothered with lice, mites or disease germs. It only takes a minute or two to thoroughly disinfect your poultry house by dusting with Carbola. Dust regularly and it will insure healthy fowls and more eggs.

Dry dusting with Carbola is the only safe method of disinfecting in winter time when eggs bring highest prices.

## GEO. H. LEE'S POULTRY and STOCK PREPARATIONS

PRICES ARE NOT PREPAID

### GERMOZONE

Germozone is without doubt one of the most widely used poultry medicines today. The regular use of Germozone in the drinking water of chicks and adult fowls prevents the spreading of disease and counteracts infection already existing.

Liquid—4 oz. bottle 40c; 12 oz. bottle 75c; 32 oz. bottle \$1.50; ½ gallon bottle \$2.50; 1 gallon bottle \$4.50.

### LEE'S LICE POWDER

Keeps the fowls free from lice and mites.  
1 lb. can 25c; 2½ lb. can 50c

### LICE KILLER

The standard poultry house insecticide for years. It will rid the house of mites.

1 quart can 60c; ½ gallon can 90c; 1 gallon can \$1.50; 5 gallon can \$6.00.

### LEE'S DIP AND DISINFECTANT

A standardized coal tar creosote stock dip and disinfectant.

1 quart can 60c; ½ gallon can 90c; 1 gallon can \$1.50; 5 gallon can \$6.00.



### Dr. Hess Dip and Disinfectant

Small .....	\$ .45
Quarts .....	.60
½ Gallon .....	.90
1 gallon .....	1.60

## CARBOLA IS A WHITE PAINT AND DISINFECTANT COMBINED

Applied to your cellar walls, furnace coverings, makes them bright, white and clean smelling—free from musty odors. One pound will cover 100 sq. feet—twice as much as whitewash. It will not blister, flake or peel off and can be applied with a brush or spray pump.

## CARBOLA KILLS EVERY SPIDER

it hits, thus reducing cobwebs. This fact alone makes Carbola worth many times its low cost. It is a great improvement over ordinary whitewash.

## CARBOLA KILLS THE DIPHTHERIA AND TYPHUS GERMS

when coming in contact with them. Paint your cellar with it.

### Not Postpaid

1-pound pkg. ....	\$ .25
5-pound pkg. ....	.65
10 pounds (10 gal.) .....	1.10
25 pounds (25 gal.) .....	2.15
50 pounds (50 gal.) .....	3.80

### LEE'S PERCH PAINT

An exceptionally effective and easily applied solution for killing lice. Simply brush it on perches before the poultry goes to roost.

½ pint 85c; 1 pint \$1.50; 1 quart \$2.50; ½ gallon \$4.00; 1 gallon \$7.00.

### GIZZARD CAPSULES

The Gizzard Capsule is five times as effective as worm medicine given in feed and water. It is as easy to give as a pill. It carries the strong medicines in their full strength direct to the gizzard.

Adult Size—50 capsules 75c; 100 capsules \$1.25.

Pullet Size—50 capsules 50c; 100 capsules \$1.00.

Chick Size—50 capsules 40c; 100 capsules 75c.

### LEE'S VAPO-SPRAY

The most effective medicine for colds, coughs and pneumonia. Simply spray the air in the hen house at night.

1 quart can 75c; ½ gallon can \$1.25; 1 gallon can \$2.00; 5 gallon can \$8.75.



## Instant Louse Killer

Guaranteed

Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans. Look for the word "Instant" before buying.  
1-lb. packages, 30c; 2½-lb. packages, 65c



## DON SUNG

Makes Hens Lay  
Lots of Eggs—All the Year Round

### GETS THE EGGS WHEN EGGS ARE SCARCE. KEEPS HENS HEALTHY.

This famous tonic GETS THE EGGS no matter how cold or wet the weather. Easily given in the feed, and beneficial to all poultry. Instead of feeding loafing hens all winter, you can now get big egg yields when eggs are scarce and high priced. Starts pullets laying early. Helps hens through the moult and starts them laying regularly. It must satisfy you, or we will refund your money.

**TABLET FORM**  
50c Size (This is the Trial Guaranteed Size).  
\$1 Size (3 times 50c Size)  
\$5 Size (6 times \$1 Size)

**POWDERED FORM**  
3 lbs. .... \$ 5  
10 lbs. .... \$10  
25 lbs. .... \$20  
50 lbs. .... \$35

## AVICOL

**Stops Chicks Dying**

The Wonder Remedy for WHITE DIARRHEA or Cholera in chicks, and Black-Head in Turkeys Does work in 48 hours.

White Diarrhea kills half of nearly every hatch of chicks. The strange thing is that so many people think this loss can't be stopped. But it can be stopped, without extra work, without troublesome dosing, and at almost no cost. For years, thousands have saved their sick chicks and raised nearly every chick in every hatch, by keeping Avicol in the drinking water.

Avicol is a bowel antiseptic. It makes chickens healthy and keeps them healthy. Costs less than a cent a day for an ordinary flock. Guaranteed. Price 50c; Large Size (Almost 3 times as much) \$1.



## CEL-O-GLASS

For Poultry Houses, Etc.



### CEL-O-GLASS

Here is a most useful and durable material, which is recommended for use in place of glass—anywhere. CEL-O-GLASS is unbreakable; it is hailproof, rainproof,

heatproof, coldproof, rustproof and very light in weight. It is ideal for cold frames, hotbed sash, garage and barn doors and windows—any place where you need light and protection from the weather. Easy to use—simply tack it up; no glazing, no trouble, no breakage. CEL-O-GLASS is shipped in rolls 3 feet wide and 100 feet long. We cut in any length. Write for prices.

# Group-Over

(Formerly Called Roup-Over)

## For Colds in Poultry

Use this famous remedy at the very first symptom of colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking water for flock prevention. Leading poultry raisers everywhere now use Group-Over, the over-night remedy. It's so easy! So sure! There's no other remedy like it—nothing "just as good." Have a bottle ready to use when you need it. Price 50c; Large Size (3 times the 50c size) \$1.00.



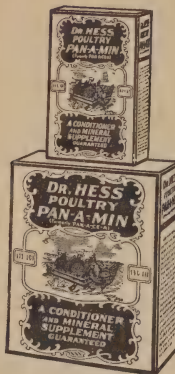
## PAN-A-MIN

Pan-A-Min has been known to poultry raisers for more than 30 years as Dr. Hess Poultry Panacea.

It is now a greatly improved product. Pan-A-Min is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health.

It does not take the place of feed and no feed can take the place of Pan-A-Min.

1½-lb. pkg. 30c; 3 lbs. 55c; 7 lbs. \$1.15; 15 lbs. \$2.20; 25 lbs. \$3.30. ADD POSTAGE.

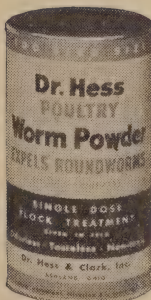


## A New Treatment for Poultry Worms

One dose entirely effective against round worms given in mash. No fasting before or laxative after treatment. It is odorless and tasteless. No effect on feed consumption. Does not interfere with egg production.

### DR. HESS POULTRY WORM POWDER

1000 Bird size—2½ lbs.	.....\$5.40
500 Bird size—1¼ lb.	..... 3.00
250 Bird size—10 oz.	..... 1.90
100 Bird size—4 oz.	..... .90
50 Bird size—2 oz.	..... .50



## Kills Poultry LICE

**ONE APPLICATION Does the Work**

T. S. F. kills both old and young lice, including the lice that hatch from the eggs present at time of treatment. Easily given by pinch method, dip or dusting. Specially processed. Adheres to the plumage. Non-irritating. One application lasts an entire season. Packed in special shaker-top cans with Government's directions for using.

35c Size (enough for 50 birds): Twice the 35c Size, 60c; Five times the 60c Size (Economy Size), \$2.50.



# TESTED and PROVED DOG REMEDIES



**Try This New Easy Way  
To Groom Your Dog...**  
**"TAKES THE MESS OUT  
OF MESSINESS"**

◆ For grooming the dog's skin and coat, as an aid in treatment and control of dog insects, for deodorizing and in producing a luxuriant, glossy, shimmering coat... Quadine is used and recommended by thousands of leading kennels and fanciers. Quadine Jr. Handy Spray Set includes Allen-DeVilbiss one-hand Atomizer and a bottle of Quadine... compact, convenient, always ready. Atomizer alone is big value at \$1.50... Buy them both for \$1.50.



**\$1.50**  
Special at



Buy the larger packages of Quadine and thus make its use still more economical. The following table shows amounts you save by ordering the larger sizes as compared with two-ounce purchases:

Package	Price	Save
2-Ounce Bottle .....	\$.60	none
4-Ounce Bottle .....	1.00	\$.20
12-Ounce Bottle .....	2.00	1.60

## ALLEN'S LIQUID EXTRACT OF GARLIC

Here is the great canine appetizer—makes the dog relish the kind of food he should eat. Practically odorless after use because the odoriferous, indigestible fibre is removed. One teaspoonful equals one whole garlic "toe" with all of its bulbs. Note the low prices on this highest quality product. 4-oz. bottle 75c; 12-oz. bottle \$1.75; ½-gal. \$7.50. 1 gal. \$12.00.

## ONE-SPOT CATECHISM



Apply on  
**One Spot Only**  
and kill all the fleas  
on the dog or cat  
ONE-SPOT does not  
repel; it KILLS Fleas,  
Lice, Bedbugs

**GUARANTEED by**  
**Good Housekeeping**  
an authorized trademark

25c & 50c—Selling at

## WEL-BEING

A Concentrated Food Supplement for All Pets  
and Fur-Bearing Animals

To aid in overcoming itch due to diet deficiency; body building; energy restoring; promoting thick, glossy coat; stimulating appetite.

To assist in removing intestinal parasites.

**PRICES**—3-oz. can (feeds small dog 4 to 6 weeks) 35c; 6-oz. can (feeds medium dog 4 to 6 weeks) 65c; 12-oz. can (feeds large dog 4 to 6 weeks) \$1.00; 3-lb. can (kennel size) \$3.00.

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